

- 澳門大學的校徽由一個五座城堡冠頂的盾牌和分別用中葡文書寫的「澳門大學」的校名字樣組成。
- 書上的鑰匙是知識之匙，用以打開知識寶庫；四周的海浪代表著大學身處中國海域的一個小島上。
- 大橋寓意文化的溝通，是連接東西方文化的象徵。
- 「仁、義、禮、知、信」為中國聖賢提倡的五種美德典範。
- 校徽採用紅、藍、金三色，代表著希望、幸福及人類之進步。

Emblem

For University of Macau



- The emblem of the University of Macau features a five-towered crest encircled by golden rings and the name of the University in Chinese and Portuguese.
- The key on the book is the key to knowledge, and the waves represent the University in its inland setting in the South china Sea.
- The Bridge links together the Eastern and Western cultures.
- On the ribbon is a Chinese motto listing the five virtues of an ideal scholar: benevolence, righteousness, propriety, wisdom and sincerity.
- The colours are red for hope, blue for the joy of well-being, and gold for the advancement of humanity.

Vision

澳門大學矢志成為國際公認的優秀學府，對學生為本教育、具影響力重點研究、及專注的公共服務作出承諾；旨能在多元文化和富於啟迪的環境內培育具自省能力、關愛精神和社會責任感的人才。

The University of Macau aspires to be an outstanding, internationally-recognized institution of higher learning, firmly committed to learner-centered education, focused research with impact and dedicated public service. It aims to nurture self-reflective, caring, and socially responsible persons within a culturally diverse and intellectually challenging environment.

Mission

澳大以促進人文、社會科學、工商、法律、自然科學、工程、健康科學、教育及其他領域的學術研究和教育為己任。

UM undertakes as its prime mission the advancement of scholarship and education in the realms of humanities, social sciences, business, law, natural sciences, engineering, health sciences, education and other areas.

為達成此使命，大學充分利用其獨有的中歐傳統及全球網絡的優勢，以求：

In carrying out this mission, the University is committed to the following taking full advantage of its unique Sino-European heritage and global connections:

- 秉承大學仁、義、禮、知、信的校訓提供高等教育；
Providing higher education in accordance with the University Motto (Humanity, Integrity, Propriety, Wisdom and Sincerity);
- 促進學術研究及傳播知識；
Promoting academic research and disseminating knowledge;
- 促進文化、科學與科技的進步和澳門經濟及社會的發展；
Advancing culture, science and technology and promoting Macao's growth;
- 培養澳門及地區發展所需之有責任感、有道德判斷及獨立思考能力的公民及領袖。
Cultivating responsible citizens and leaders of high caliber who possess sound moral judgment and the ability of independent thinking necessary to meet the needs of development of Macao and the region.

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University Almanac

University Almanac for Academic Year 2016/2017

Week	S	M	T	W	T	F	S	Events	Public Holidays and University Recesses
	August 2016							13-19 Orientation Week for New Students	
		1	2	3	4	5	6	15 Last day of Summer Recess	
1		7	8	9	10	11	12	13	
		14	15	16	17	18	19	20	
2		21	22	23	24	25	26	27	
		28	29	30	31				
	September								
			1	2	3				
3		4	5	6	7	8	9	10	
4		11	12	13	14	15	16	17	
5		18	19	20	21	22	23	24	16 The day following Mid-Autumn Festival
6		25	26	27	28	29	30		
	October								
							1		
7	2	3	4	5	6	7	8		1 National Day of the People's Republic of China 2 The day following National Day of the People's Republic of China
8	9	10	11	12	13	14	15		
9	16	17	18	19	20	21	22		3-4 Special grants for exempt from work by the Chief Executive on 13 April 2015 9 Chung Yeung Festival 10 Special grant for exempt from work by the Chief Executive on 13 April 2015
10	23	24	25	26	27	28	29		
	November								
		1	2	3	4	5			
12	6	7	8	9	10	11	12		
13	13	14	15	16	17	18	19		
14	20	21	22	23	24	25	26	30 Last day of 1st semester's classes	2 All Soul's Day
	27	28	29	30					
	December								
			1	2	3			1-4 Examination Study Period	
4	4	5	6	7	8	9	10	5-17 1st semester's final examinations	8 Immaculate Conception 20 Macao SAR Establishment Day 21 Winter Solstice 24 Christmas Eve 25 Christmas Day 26-27 Special grants for exempt from work by the Chief Executive on 13 April 2015 18/12 - 1/1 Christmas/New Year Recess
11	12	13	14	15	16	17			
18	19	20	21	22	23	24			
	25	26	27	28	29	30	31		

Public holidays/Special grant for exempt from work are in
 Final examination days are in
 University Recesses are highlighted in **RED**

Week	S	M	T	W	T	F	S	Events	Public Holidays and University Recesses
January 2017									
	1	2	3	4	5	6	7	3	1 New Year's Day
	8	9	10	11	12	13	14		2 Special grant for exempt from work by the Chief Executive on 15 April 2016
1	15	16	17	18	19	20	21		2-8 Semester Break
2	22	23	24	25	26	27	28	9	27 Special grant for exempt from work in the afternoon by the Chief Executive on 15 April 2016
3	29	30	31						28-30 Lunar New Year Recess
									22/1-5/2 Lunar New Year Recess for students
									31/1-1/2 Special grant for exempt from work by the Chief Executive on 15 April 2016
February									
			1	2	3	4			
	5	6	7	8	9	10	11		
4	12	13	14	15	16	17	18		
5	19	20	21	22	23	24	25		
6	26	27	28						
March									
6			1	2	3	4			
7	5	6	7	8	9	10	11		
8	12	13	14	15	16	17	18		
9	19	20	21	22	23	24	25		
10	26	27	28	29	30	31			
April									
10							1	1-2	
11	2	3	4	5	6	7	8		4 Ching Ming Festival
12	9	10	11	12	13	14	15		14 Good Friday
13	16	17	18	19	20	21	22		15 The day before Easter
14	23	24	25	26	27	28	29		17 Special grant for exempt from work by the Chief Executive on 15 April 2016
	30								14-17 Easter Recess for students
May									
	1	2	3	4	5	6		2	1 Labour Day
	7	8	9	10	11	12	13		3 The Buddha's Birthday
	14	15	16	17	18	19	20	3-7	
	21	22	23	24	25	26	27	8-19	
	28	29	30	31					30 Tuen Ng Festival
June									
			1	2	3			1	
	4	5	6	7	8	9	10		
	11	12	13	14	15	16	17	2	
	18	19	20	21	22	23	24		
	25	26	27	28	29	30			

Public holidays/Special grant for exempt from work are in
Final examination days are in
University Recesses are highlighted in **RED**

Updated on 26 May 2016

The University

INTRODUCTION

The genesis of the University of Macau (UM) dates back to 28 March 1981 when its predecessor, the private University of East Asia (UEA), was founded. The founding of UEA signalled the start of modern higher education in Macao. The local government supported the establishment of UEA through the lease of a piece of land on Taipa Island. UEA started off with several undergraduate programmes in the University College, which followed the academic structure of British universities with a duration of study of three years. English was the main medium of instruction, and the majority of the students were from Hong Kong.

To meet the increasing demand for local professionals during the transitional period leading up to the handover of sovereignty over Macao in 1999, the local government entrusted the Macao Foundation with acquiring UEA in 1988. Subsequent restructuring took place after the acquisition. The changes included the establishment of the Faculty of Arts, the Faculty of Business Administration, the Faculty of Social Sciences, and the Faculty of Science and Technology. The three-year undergraduate programmes were changed to four-year programmes, while new four-year undergraduate programmes were launched. Programmes in law and education were also launched, which led to later establishment of the Faculty of Law and the Faculty of Education. English remained the main medium of instruction except for some programmes in law, language, and education.

By the end of the first decade since the university's founding, the student body had grown substantially, from several hundred to 2,000. In 1991, the new University Charter was promulgated, and on 9 September of the same year, UEA became a public university by the name of University of Macau. At the time, UM primarily aimed to serve local students and to meet the needs of the transitional period. As a result, student enrolment rose to 3,000 and the percentage of local students increased to above 90 per cent. UM has made great contributions to the Macao society over the years by training a large number of local professionals, especially in the fields of public administration, law, and education.

At present, major academic units at UM include the Faculty of Arts and Humanities (FAH), the Faculty of Business Administration (FBA), the Faculty of Education (FED), the Faculty of Health Sciences (FHS), the Faculty of Law (FLL), the Faculty of Social Sciences (FSS), the Faculty of Science and Technology (FST), the Institute of Chinese Medical Sciences (ICMS), and the Honours College (HC).

Currently there are around 10,000 students and an internationally recruited high-calibre faculty team comprised of more than 590 members at UM. The university offers approximately 130 degree programmes, including bachelor's programmes, master's programmes, and PhD programmes. English is the main medium of instruction, with some programmes taught in Chinese, Portuguese and Japanese.

Excellence in both teaching and research is one of the objectives of UM. To achieve this goal, more than 18 research centres and institutes have been established, including the Business Research and Training Centre, the Cancer Centre, the Centre for Early Childhood Education and Child Development, the Centre for Engineering Research and Testing, the Centre for Information and Communication Technology in Education, the Centre for Law Studies, the Centre for Study of Translation-Interpreting and Cognition, the Centre of Reproduction, Development and Ageing, the Educational Research Centre, the Educational Testing and Assessment Research Centre, the Greater China Centre for Private Equity, the Institute for Advanced Legal Studies, the Institute for the Study of Commercial Gaming, Institute of Global and Public Affairs, the Research Centre for Humanities in South China, the Research Centre for

Luso-Asian Studies, the Russian Centre and the Social Science Research Centre on Contemporary China.

UM has established academic partnerships with over 160 institutions around the world, including Australia, Austria, Belgium, Brazil, Canada, mainland China, Colombia, Denmark, Finland, France, Germany, Hong Kong, Italy, Japan, South Korea, Mozambique, the Netherlands, Norway, the Philippines, Portugal, Singapore, Slovak Republic, Spain, Sweden, Switzerland, Taiwan, Thailand, the United Kingdom, and the United States.

Ever since its founding UM has been pursuing quality education and research excellence. Strategies implemented in recent years to this end include offering quality undergraduate education, reforming undergraduate curriculum, establishing Macao's first Honours College, engaging undergraduates in research, establishing the Centre for Teaching and Learning Enhancement, enhancing further studies and placement service for senior students, and continuously improving faculty quality and management system. UM has also implemented a '4-in-1' model of education that consists of discipline-specific education, general education, research and internship education, and community and peer education, to help students achieve well-rounded development.

On 20 July 2013, the new campus was handed over to, and came under the jurisdiction of, the Macao SAR. The campus is a people-oriented, energy-efficient, and environmentally friendly one with an excellent learning environment and state-of-the-art learning, teaching, research and recreational facilities. UM has also stepped up efforts in launching new academic faculties and programmes in order to meet the changing needs of the Macao society.

The new campus covers approximately one square kilometre, with a building area of approximately 945,000 square metres and more than 60 buildings. It is approximately 20 times the size of the old campus, now known as the University of Macau Town Centre. The university hopes to gradually increase the number of full-time students to 10,000, and will establish between 8 and 12 residential colleges in the future. The residential college system allows students from different faculties, departments and backgrounds to live together so they can have more opportunities to interact with and learn from one another. Competitions and recreational activities are organised within each college on a regular basis to help students acquire various soft skills and achieve well-rounded development.

UM has made great progress over the past three decades. In the future, it will continue to improve its teaching and research, in order to achieve the goal of becoming a world-class university with distinctive characteristics.

Governance and Organisation

Updated on: 24/06/2016

CHANCELLOR

The Chief Executive of the Macao SAR, Dr CHUI Sai On
澳門特別行政區行政長官崔世安博士

UNIVERSITY COUNCIL PRINCIPAL OFFICERS

Chair of the Council

- Dr LAM Kam Seng Peter 林金城博士

First Vice Chair of the Council

- Mr LEI Pui Lam 李沛霖先生

Second Vice Chair of the Council

- Mr WONG Chong Fat 王宗發先生

Treasurer of the Council

- Mr LAU Veng Lin 劉永年先生

UNIVERSITY PRINCIPAL OFFICERS

Rector 校長

- Prof. Wei ZHAO 趙偉教授
BSc, Shaanxi Normal University; MSc, PhD, University of Massachusetts; IEEE Fellow

Vice Rector (Academic Affairs) 副校長（學術）

- Prof. Lionel Ming-Shuan NI 倪明選教授
BSc, National Taiwan University; MSc, Wayne State University; PhD, Purdue University; IEEE Fellow

Vice Rector (Research) 副校長（研究）

- Prof. Rui Paulo da Silva MARTINS 馬許願教授
BSc, MSc, PhD, Instituto Superior Técnico da Universidade Técnica de Lisboa; IEEE Fellow; Academy of Sciences of Lisbon

Vice Rector (Student Affairs) 副校長（學生事務）

- Prof. Haydn H. D. CHEN 程海東教授
BSc, Tsing-Hua University Taiwan; MSc, PhD, Northwestern University

Vice Rector (Administration) 副校長（行政事務）

- Dr Mei KOU 高薇博士
PhD, Macau University of Science and Technology

UNIVERSITY ASSEMBLY

The University Assembly is a consultative body of the University. It advises on the general policies, academic plans and development plans of the University.

Chair

- Chancellor of UM and Chief Executive of the Macao SAR, Dr CHUI Sai On 崔世安博士

Members

- Mr NG Fok 吳福先生
- Mr Vitor NG 吳榮恪先生
- Dr Stanley HO 何鴻燊博士
- Dr SIU Yin Wai 邵賢偉博士
- Prof. ZHOU Li Gao 周禮泉教授
- Dr António FERREIRA 胡順謙博士
- Ms Maria Edith da SILVA 施綺蓮女士
- Dr MA Iao Lai 馬有禮博士
- Ms Susana CHOU 曹其真女士
- Mr José F. Pereira CHAN 陳炳華先生
- Mr HO Iat Seng 賀一誠先生
- Mr Joaquim Jorge Perestrelo Neto VALENTE 華年達先生
- Mr WONG Chi Seng 黃志成先生
- Dr WONG King Keung 黃景強博士
- Prof. LIU Chung Laung 劉炯朗教授
- Mr LAO Ngai Leong 劉藝良先生
- Mr CHENG Kar Shing 鄭家成先生
- D. José LAI 黎鴻昇榮休主教
- Mr FOK Chun-Wan 霍震寰先生
- Mr KONG Tat Choi 鄺達財先生
- Dr TSE Chi Wai 謝志偉博士

- Dr LAM Kam Seng Peter 林金城博士, Chair of the University Council
- Mr LEI Pui Lam 李沛霖先生, First Vice Chair of the University Council
- Mr WONG Chong Fat 王宗發先生, Second Vice Chair of the University Council
- Mr LAU Veng Lin 劉永年先生, Treasurer of the University Council

- Prof. Wei ZHAO 趙偉教授, Rector
- Prof. Lionel Ming-Shuan NI 倪明選教授, Vice Rector (Academic Affairs)
- Prof. Rui Paulo da Silva MARTINS 馬許願教授, Vice Rector (Research)
- Prof. Haydn H. D. CHEN 程海東教授, Vice Rector (Student Affairs)
- Dr Mei KOU 高薇博士, Vice Rector (Administration)

- Dr AO Peng Kong 區秉光博士, President of the General Assembly of the University of Macau Alumni Association
- Mr WONG Soi Kei 黃瑞麒先生, Chairperson of the General Assembly of the University of Macau Students' Union

Secretary

- Dr Woon Yin CHAN Wendy 陳煥賢博士, Secretary-General of the University Council

Please refer to the link below for the most updated member list of UA.
<http://www.umac.mo/ua/>

UNIVERSITY COUNCIL

The University Council is the highest collegial body of the University. It is responsible for defining the University's development policies, supervising the implementation of the policies, and promoting connections between the University and the community.

Chair

- Dr LAM Kam Seng Peter 林金城博士

First Vice Chair

- Mr LEI Pui Lam 李沛霖先生

Second Vice Chair

- Mr WONG Chong Fat 王宗發先生

Treasurer

- Mr LAU Veng Lin 劉永年先生

Internal University Council Members

- Prof. Wei ZHAO 趙偉教授, Rector
- Prof. Lionel Ming-Shuan NI 倪明選教授, Vice Rector (Academic Affairs)
- Prof. Rui Paulo da Silva MARTINS 馬許願教授, Vice Rector (Research)
- Prof. Haydn H. D. CHEN 程海東教授, Vice Rector (Student Affairs)
- Dr Mei KOU 高薇博士, Vice Rector (Administration)
- Prof. Xitao FAN 范息濤教授, Dean of Faculty of Education
- Prof. Chuxia DENG 鄧初夏教授, Dean of Faculty of Health Sciences
- Prof. Rose Neng LAI 黎寧教授, Senate Member
- Dr Agnes Iok Fong LAM 林玉鳳博士, Senate Member

President of the Executive Committee of the University of Macau Alumni Association

- Mr KOT Man Kam 葛萬金先生

Director General of the Board of Directors of the University of Macau Students' Union

- Mr WONG Chon In 黃俊彥先生

External Members appointed by the Chief Executive

- Dr LAM Kam Seng Peter 林金城博士
- Mr LEI Pui Lam 李沛霖先生
- Mr WONG Chong Fat 王宗發先生
- Mr LAU Veng Lin 劉永年先生
- Ms Anabela Fátima Xavier Sales RITCHIE 林綺濤女士
- Dr TONG Chi Kin 唐志堅博士
- Dr MA Chi Ngai, Frederico 馬志毅博士
- Dr KOU Kam Fai 高錦輝博士
- Dr CHUI Sai Peng 崔世平博士
- Mr AU Chong Kit 區宗傑先生
- Mr LEONG Heng Teng 梁慶庭先生
- Mr HO Iat Seng 賀一誠先生
- Mr VONG Hin Fai 黃顯輝先生

-
- Dr YEUNG Tsun Man Eric 楊俊文博士
 - Dr CHOI Koon Shum 蔡冠深博士
 - Mr HUEN Wing Ming Patrick 禰永明先生

Representative of the Secretary for Social Affairs and Culture

1. Mr IP Peng Kin 葉炳權先生

Director of the Tertiary Education Services Office

2. Mr SOU Chio Fai 蘇朝暉先生

Director of the Education and Youth Affairs Bureau

3. Ms LEONG Lai 梁勵女士

Director of the Finance Services Bureau

4. Mr IONG Kong Leong 容光亮先生

Secretary-General

- Dr Woon Yin CHAN Wendy 陳煥賢博士

Committees of the University Council include:

1. The Standing Committee

The Standing Committee exercises the powers and performs the duties delegated by the University Council when the University Council is not in session.

Chair

- Dr LAM Kam Seng Peter 林金城博士, Chair of University Council

Member

5. Mr LEI Pui Lam 李沛霖先生, First Vice Chair of University Council
6. Mr WONG Chong Fat 王宗發先生, Second Vice Chair of University Council
7. Mr LAU Veng Lin 劉永年先生, Treasurer of University Council
8. Prof. Wei ZHAO 趙偉教授, Rector
9. Dr MA Chi Ngai Frederico 馬志毅博士, External Member of University Council
10. Mr SOU Chio Fai 蘇朝暉先生, Director of the Tertiary Education Services Office

Secretary

- Dr Woon Yin CHAN Wendy 陳煥賢博士, Secretary-General of University Council

2. The Honorary Degrees and Titles Committee

The Honorary Degrees and Titles Committee formulates regulations, receives recommendations and submits proposals regarding the conferment of honorary degrees and titles.

Chair

11. Mr LEI Pui Lam 李沛霖先生, First Vice Chair of University Council

Member

12. Dr LAM Kam Seng Peter 林金城博士, Chair of University Council
13. Mr WONG Chong Fat 王宗發先生, Second Vice Chair of University Council

14. Prof. Wei ZHAO 趙偉教授, Rector
15. Prof. Lionel Ming-Shuan NI 倪明選教授, Vice Rector (Academic Affairs)
16. Prof. Xitao FAN 范息濤教授, Dean of Faculty of Education
17. Prof. Chuxia DENG 鄧初夏教授, Dean of Faculty of Health Sciences
18. Prof. Rose Neng LAI 黎寧教授, Senate Member
19. Dr Agnes Iok Fong LAM 林玉鳳博士, Senate Member
20. Mr SOU Chio Fai 蘇朝暉先生, Director of the Tertiary Education Services Office

Secretary

- Prof. Ka-Veng YUEN 阮家榮教授, Registrar

3. The Fiscal Committee

The Fiscal Committee monitors the operation of the University and supervises the implementation of applicable laws and regulations. It also examines and supervises the execution of budget and advises on the issues raised by the University Council.

Chair

- Dr LAM Kam Seng Peter 林金城博士, Chair of University Council

Member

21. Mr LAU Veng Lin 劉永年先生, Treasurer of University Council
22. Mr IONG Kong Leong 容光亮先生, Director of Financial Services Bureau

Secretary

- Dr Woon Yin CHAN Wendy 陳煥賢博士, Secretary-General of University Council

Please refer to the link below for the most updated member lists of UC and UC committees.
<http://www.umac.mo/uc/index.html>

THE SENATE AND ITS SUB-COMMITTEES

(For academic year 2015/2016)

THE SENATE

The Senate is the supreme body responsible for academic affairs of the University and guides the University in its teaching and research activities. It plays a leading role in the University's pursuits of teaching and research activities and ensures high academic standards and rigour.

Chair

- Prof. Wei ZHAO 趙偉教授, Rector

Vice Chair

- Prof. Lionel Ming-Shuan NI 倪明選教授, Vice Rector (Academic Affairs)

Members

- Prof. Rui Paulo da Silva MARTINS 馬許願教授, Vice Rector (Research)
- Prof. Haydn H. D. CHEN 程海東教授, Vice Rector (Student Affairs)
- Dr Mei KOU 高薇博士, Vice Rector (Administration)
- Prof. Hong Gang JIN 靳洪剛教授, Dean of Faculty of Arts and Humanities
- Prof. Jacky Yuk-Chow SO 蘇育洲教授, Dean of Faculty of Business Administration
- Prof. Xitao FAN 范息濤教授, Dean of Faculty of Education
- Prof. Chuxia DENG 鄧初夏教授, Dean of Faculty of Health Sciences
- Prof. John Shijian MO 莫世健教授, Dean of Faculty of Law
- Prof. Philip Chun-Lung CHEN 陳俊龍教授, Dean of Faculty of Science and Technology
- Prof. Yufan HAO 郝雨凡教授, Dean of Faculty of Social Sciences
- Prof. Yitao WANG 王一濤教授, Director of Institute of Chinese Medical Sciences
- Prof. Kai Meng MOK 莫啟明教授, Dean of Honours College
- Prof. Xiaoqing FU 傅曉青教授, Acting Dean of Graduate School
- Prof. Shing On LEUNG 梁成安教授, Director of Centre for Continuing Education
- Prof. Ka-Veng YUEN 阮家榮教授, Registrar
- Dr Paul Wah Tung POON 潘華棟博士, University Librarian
- Mr Wing Kong CHONG 莊永港先生, Director of Information and Communication Technology Office
- Prof. Spencer Alan BENSON, Director of Centre for Teaching and Learning Enhancement
- Mr Chap Chong PANG, Paul 彭執中先生, Dean of Students
- Mr Lin Zhi AI 艾林芝先生, Faculty of Law
- Prof. Allan Benedict Ison BERNARDO, Faculty of Social Sciences
- Prof. Hok Shing CHAN 陳學成教授, Faculty of Arts and Humanities
- Dr Iat Neng CHAN 陳溢寧博士, Faculty of Science and Technology
- Prof. John Blair CORBETT, Faculty of Arts and Humanities
- Dr Lijun DI 狄利俊博士, Faculty of Health Sciences
- Prof. Jianxia DU 杜建霞教授, Faculty of Education
- Prof. Jianhong FAN 范劍虹教授, Faculty of Law
- Mr Sean GRANT, Faculty of Arts and Humanities

- Prof. Xinhua GU 顧新華教授, Faculty of Business Administration
- Prof. Shuh Ren JIN 金樹人教授, Faculty of Education
- Prof. Xiao Qing JIN 金小慶教授, Faculty of Science and Technology
- Prof. Timothy James KERSWELL, Faculty of Social Sciences
- Prof. Kun Pang KOU 高冠鵬教授, Faculty of Science and Technology
- Mr Fei Loi LAI 黎飛雷先生, Faculty of Social Sciences
- Prof. Rose Neng LAI 黎寧教授, Faculty of Business Administration
- Prof. Chee Shiong LAM 藍志雄教授, Faculty of Business Administration
- Dr Agnes Lok Fong LAM 林玉鳳博士, Faculty of Social Sciences
- Prof. Long Wai LAM 林朗為教授, Faculty of Business Administration
- Mr Teng LAM 林定先生, Faculty of Science and Technology
- Prof. Spencer De Li 李德教授, Faculty of Social Sciences
- Prof. Zhao Tong LIAN 練肇通教授, Faculty of Business Administration
- Prof. Andrew Jackson MOODY, Faculty of Arts and Humanities
- Prof. Wai Meng QUACH 郭偉明教授, Faculty of Science and Technology
- Prof. Muruga Perumal RAMASWAMY 白祿孟教授, Faculty of Law
- Ms Ieng SAM 沈鷹女士, Faculty of Business Administration
- Prof. Jianguo SHI 侍建國教授, Faculty of Arts and Humanities
- Prof. Anthony Astore SCHIRATO, Faculty of Social Sciences
- Prof. Timothy SIMPSON, Faculty of Social Sciences
- Prof. Kam Weng TAM 譚錦榮教授, Faculty of Science and Technology
- Prof. Kin Yip TAM 譚建業教授, Faculty of Health Sciences
- Dr Kaeling TAN 陳凱靈博士, Faculty of Health Sciences
- Prof. Yuan Yan TANG 唐遠炎教授, Faculty of Science and Technology
- Prof. Timothy Kheng Guan TEO 張慶元教授, Faculty of Education
- Dr Patricia Anne THOMPSON, Faculty of Education
- Prof. Jianwei WANG 王建偉教授, Faculty of Social Sciences
- Dr Wei WANG MORBEY 王薇博士, Faculty of Law
- Prof. Chuxiong WEI 魏楚雄教授, Faculty of Social Sciences
- Dr. Fai WONG 黃輝博士, Faculty of Science and Technology
- Prof. Ka Ki WONG 王嘉祺教授, Faculty of Arts and Humanities
- Prof. Pak Kin WONG 王百鍵教授, Faculty of Science and Technology
- Prof. Roy Christopher WOOD, Faculty of Business Administration
- Dr Jinting WU 吳晉婷博士, Faculty of Education
- Prof. Renhe XU 徐仁和教授, Faculty of Health Sciences
- Prof. Desmond Chun Yip YUEN 袁振業教授, Faculty of Business Administration
- Dr Yang ZHANG 張洋博士, Faculty of Business Administration
- Prof. Ze Xun ZHANG 張澤珣教授, Faculty of Education
- Prof. Mingli ZHENG 鄭明禮教授, Faculty of Social Sciences
- Dr Yisu ZHOU 周憶粟博士, Faculty of Education
- Prof. Lei ZHU 祝雷教授, Faculty of Science and Technology
- Prof. Shoutong ZHU 朱壽桐教授, Faculty of Arts and Humanities

- Mr Chon In WONG 黃俊彥先生, Student representative of UM Students' Union
- Mr Mengyang NI 泥夢陽先生, Student representative of UM Postgraduate Association

Secretary

- Prof. Ka-Veng YUEN 阮家榮教授, Registrar

The Standing Committees of the Senate include:

1. General Affairs Committee
2. Research Committee
3. Academic Quality Assurance Committee
4. Library Committee
5. Information and Education Technology Committee
6. Graduate Studies Committee
7. General Education Committee
8. Committee on Teaching and Learning Enhancement
9. Scholarship Committee
10. Sports Committee
11. Staff-Student Consultative Committee
12. Student Disciplinary Committee

1. General Affairs Committee

The General Affairs Committee handles admission and academic affairs, advises the Senate on the creation and revision of programmes, courses and academic regulations and provides preparatory work for the Senate meetings.

Composition

Chair

- Prof. Wei ZHAO 趙偉教授, Rector

Members

- Prof. Lionel Ming-Shuan NI 倪明選教授, Vice Rector (Academic Affairs)
- Prof. Rui Paulo da Silva MARTINS 馬許願教授, Vice Rector (Research)
- Prof. Haydn H. D. CHEN 程海東教授, Vice Rector (Student Affairs)

- Prof. Hong Gang JIN 靳洪剛教授, Dean of Faculty of Arts and Humanities
- Prof. Jacky Yuk-Chow SO 蘇育洲教授, Dean of Faculty of Business Administration
- Prof. Xitao FAN 范息濤教授, Dean of Faculty of Education
- Prof. Chuxia DENG 鄧初夏教授, Dean of Faculty of Health Sciences
- Prof. John Shijian MO 莫世健教授, Dean of Faculty of Law
- Prof. Philip Chun-Lung CHEN 陳俊龍教授, Dean of Faculty of Science and Technology
- Prof. Yufan HAO 郝雨凡教授, Dean of Faculty of Social Sciences

- Prof. Yitao WANG 王一濤教授, Director of Institute of Chinese Medical Sciences
- Prof. Kai Meng MOK 莫啟明教授, Dean of Honours College
- Prof. Xiaoqing FU 傅曉青教授, Acting Dean of Graduate School

- Prof. Ka-Veng YUEN 阮家榮教授, Registrar

2. Research Committee

The Research Committee plans, promotes and governs research activities of the University. It also approves research project funding and assists in managing external research funding.

Composition

Chair

- Prof. Rui Paulo da Silva MARTINS 馬許願教授, Vice Rector (Research)

Members

- Prof. Jianguo SHI 侍建國教授, Acting Associate Dean of Faculty of Arts and Humanities
- Prof. Rose Neng LAI 黎寧教授, Associate Dean of Faculty of Business Administration
- Prof. Timothy Kheng Guan TEO 張慶元教授, Associate Dean of Faculty of Education
- Prof. Wei GE 葛偉教授, Associate Dean of Faculty of Health Sciences
- Prof. Augusto TEIXEIRA GARCIA, Associate Dean of Faculty of Law
- Prof. Kam Weng TAM 譚錦榮教授, Associate Dean of Faculty of Science and Technology
- Prof. Timothy SIMPSON, Associate Dean of Faculty of Social Sciences

- Prof. John Blair CORBETT, Faculty of Arts and Humanities
- Prof. Zhao Tong LIAN 練肇通教授, Faculty of Business Administration
- Prof. Jianxia DU 杜建霞教授, Faculty of Education
- Prof. Gary WONG 黃值富教授, Faculty of Health Sciences
- Prof. Jianhong FAN 范劍虹教授, Faculty of Law
- Prof. Yuan Yan TANG 唐遠炎教授, Faculty of Science and Technology
- Prof. Spencer De LI 李德教授, Faculty of Social Sciences

- Prof. Yitao WANG 王一濤教授, Director of Institute of Chinese Medical Sciences
- Prof. Xiaoqing FU 傅曉青教授, Acting Dean of Graduate School

3. Academic Quality Assurance Committee

The Academic Quality Assurance Committee arranges for prior academic assessment of new programmes and courses and periodic academic review of existing ones and manages to evaluate and improve the teaching quality, standard and performance of each teaching unit.

Composition**Chair**

- Prof. Lionel Ming-Shuan NI 倪明選教授, Vice Rector (Academic Affairs)

Members

- Prof. Hong Gang JIN 靳洪剛教授, Dean of Faculty of Arts and Humanities
- Prof. Jacky Yuk-Chow SO 蘇育洲教授, Dean of Faculty of Business Administration
- Prof. Xitao FAN 范息濤教授, Dean of Faculty of Education
- Prof. Chuxia DENG 鄧初夏教授, Dean of Faculty of Health Sciences
- Prof. John Shijian MO 莫世健教授, Dean of Faculty of Law
- Prof. Philip Chun-Lung CHEN 陳俊龍教授, Dean of Faculty of Science and Technology
- Prof. Yufan HAO 郝雨凡教授, Dean of Faculty of Social Sciences

- Prof. Andrew Jackson MOODY, Faculty of Arts and Humanities
- Prof. Roy Christopher WOOD, Faculty of Business Administration
- Prof. Shuh Ren JIN 金樹人教授, Faculty of Education
- Prof. Wei GE 葛偉教授, Faculty of Health Sciences
- Dr Wei WANG MORBEY 王薇博士, Faculty of Law
- Prof. Pak Kin WONG 王百鍵教授, Faculty of Science and Technology
- Prof. Anthony Astore SCHIRATO, Faculty of Social Sciences

- Prof. Yitao WANG 王一濤教授, Director of Institute of Chinese Medical Sciences
- Prof. Kai Meng MOK 莫啟明教授, Dean of Honours College
- Prof. Shing On LEUNG 梁成安教授, Director of Centre for Continuing Education

-
- Prof. Spencer Alan BENSON, Director of Centre for Teaching and Learning Enhancement
 - Prof. Ka-Veng YUEN 阮家榮教授, Registrar
 - Mr Chon In WONG 黃俊彥先生, Student representative of UM Students' Union
 - Mr Mengyang NI 泥夢陽先生, Student representative of UM Postgraduate Association

4. Library Committee

The Library Committee sets development and improvement plans for the Library and ensures that the resources the Library acquires in each academic year meet the needs of teaching and research of various academic units of the University.

Composition

Chair

- Prof. Jianwei WANG 王建偉教授, Faculty of Social Sciences

Members

- Dr Paul Wah Tung POON 潘華棟博士, University Librarian
- Dr Nevla DOLCINI, Faculty of Arts and Humanities
- Dr Yuen Man LAI 黎婉雯博士, Faculty of Business Administration
- Dr Yisu ZHOU 周憶粟博士, Faculty of Education
- Dr Joong Sup SHIM 沈仲燮博士, Faculty of Health Sciences
- Prof. Rostam NEUWIRTH, Faculty of Law
- Dr Tai Man AO IEONG 歐陽棣文博士, Faculty of Science and Technology
- Dr Brian James HALL, Faculty of Social Sciences
- Dr Chunming WANG 王春明博士, Institute of Chinese Medical Sciences
- Mr Chon In WONG 黃俊彥先生, Student representative of UM Students' Union
- Mr Mengyang NI 泥夢陽先生, Student representative of UM Postgraduate Association

5. Information and Education Technology Committee

The Information and Education Technology Committee sets the University's policy and regulations for the use of information and education technology in academic and administrative work. It evaluates and introduces new technologies and facilities, in order to enhance the efficiency of teaching, research and learning.

Composition

Chair

- Prof. Timothy Kheng Guan TEO 張慶元教授, Faculty of Education

Members

- Mr Wing Kong CHONG 莊永港先生, Director of Information and Communication Technology Office
- Dr Kam Yiu PANG 彭錦耀博士, Faculty of Arts and Humanities
- Dr Wing Han CHAN 陳詠嫻博士, Faculty of Business Administration

- Prof. Jianxia DU 杜建霞教授, Faculty of Education
- Dr Gang LI 李剛博士, Faculty of Health Sciences
- Dr Alexandr SVETLICINII, Faculty of Law
- Dr Iok Tong NG 吳玉棠博士, Faculty of Science and Technology
- Mr Fei Loi LAI 黎飛雷先生, Faculty of Social Sciences

- Dr Defang OUYANG 歐陽德方博士, Institute of Chinese Medical Sciences
- Prof. Spencer Alan BENSON, Director of Centre for Teaching and Learning Enhancement

- Mr Kuai Long SOU 蘇桂龍先生, Student Affairs Office

- Mr Chon In WONG 黃俊彥先生, Student representative of UM Students' Union
- Mr Mengyang NI 泥夢陽先生, Student representative of UM Postgraduate Association

6. Graduate Studies Committee

The Graduate Studies Committee examines and governs the development plans on postgraduate study programmes and research projects. It also handles admission and academic affairs relating to postgraduate programmes.

Composition

Chair

- Prof. Wei ZHAO 趙偉教授, Rector

Members

- Prof. Lionel Ming-Shuan NI 倪明選教授, Vice Rector (Academic Affairs)
- Prof. Rui Paulo da Silva MARTINS 馬許願教授, Vice Rector (Research)

- Prof. Jianguo SHI 侍建國教授, Acting Associate Dean of Faculty of Arts and Humanities
- Prof. Rose Neng LAI 黎寧教授, Associate Dean of Faculty of Business Administration
- Prof. Timothy Kheng Guan TEO 張慶元教授, Associate Dean of Faculty of Education
- Prof. Wei GE 葛偉教授, Associate Dean of Faculty of Health Sciences
- Prof. Io Cheng TONG 唐曉晴教授, Associate Dean of Faculty of Law
- Prof. Kam Weng TAM 譚錦榮教授, Associate Dean of Faculty of Science and Technology
- Prof. Timothy SIMPSON, Associate Dean of Faculty of Social Sciences

- Prof. Defeng LI 李德鳳教授, Faculty of Arts and Humanities
- Dr Man Shing SO 蘇文成博士, Faculty of Business Administration
- Prof. Bing WEI 魏冰教授, Faculty of Education
- Prof. Guokai CHEN 陳國凱教授, Faculty of Health Sciences
- Prof. Augusto TEIXEIRA GARCIA, Faculty of Law
- Prof. Kun Pang KOU 高冠鵬教授, Faculty of Science and Technology
- Prof. Gertina Van SCHALKWYK, Faculty of Social Sciences

- Prof. Richard Dequan YE 葉德全教授, Institute of Chinese Medical Sciences
- Prof. Xiaoqing FU 傅曉青教授, Acting Dean of Graduate School
- Prof. Spencer Alan BENSON, Director of Centre for Teaching and Learning Enhancement

- Prof. Ka-Veng YUEN 阮家榮教授, Registrar

-
- Mr Mengyang NI 泥夢陽先生, Student representative of UM Postgraduate Association

7. General Education Committee

The General Education Committee develops policies and objectives of general education curriculum, to assess the general education courses and to keep the curriculum under regular review. It also handles other related affairs at the request of the Senate and advises on the annual budget in support of its own areas of work.

Composition

Chair

- Prof. Lionel Ming-Shuan NI 倪明選教授, Vice Rector (Academic Affairs)

Members

- Prof. Haydn H. D. CHEN 程海東教授, Vice Rector (Student Affairs)
- Prof. John CORBETT, Faculty of Arts and Humanities
- Prof. Chang Boon LEE 李壯文教授, Faculty of Business Administration
- Prof. Ze Xun ZHANG 張澤詢教授, Faculty of Education
- Dr Jung Woo PARK 朴政友博士, Faculty of Health Sciences
- Prof. Teng Pao IAU 邱庭彪教授, Faculty of Law
- Prof. Pak Kin WONG 王百鍵教授, Faculty of Science and Technology
- Prof. Timothy SIMPSON, Faculty of Social Sciences
- Prof. Ming Yuen LEE 李銘源教授, Institute of Chinese Medical Sciences
- Dr Seng Fat WONG 黃承發博士, Honours College
- Prof. Spencer Alan BENSON, Director of Centre for Teaching and Learning Enhancement
- Prof. Ka-Veng YUEN 阮家榮教授, Registrar
- Mr Chap Chong PANG, Paul 彭執中先生, Dean of Students
- Mr Chon In WONG 黃俊彥先生, Student representative of UM Students' Union

8. Committee on Teaching and Learning Enhancement

The Committee on Teaching and Learning Enhancement assists the Centre for Teaching and Learning Enhancement to pursue standard of teaching and learning excellence. It endorses the funding of projects and educational programmes related to teaching and learning enhancement. It also submits strategic proposals to the Senate, and advise on the annual budget in support of its own areas of work.

Composition

Chair

- Prof. Lionel Ming-shuan NI 倪明選教授, Vice Rector (Academic Affairs)

Members

- Dr Hari VENKATESAN, Faculty of Arts and Humanities
- Prof. Lai Ping CHAI 柴麗萍教授, Faculty of Business Administration
- Dr Kan Kan CHAN 陳勤勤博士, Faculty of Education

- Dr Weiwei LIU 劉蔚蔚博士, Faculty of Health Sciences
- Prof. Dan WEI 魏丹教授, Faculty of Law
- Prof. Che Man CHENG 鄭智文教授, Faculty of Science and Technology
- Dr Agnes Iok Fong LAM 林玉鳳博士, Faculty of Social Sciences

- Dr Pui Man HOI 許貝文博士, Institute of Chinese Medical Sciences
- Dr Ping-Cheng WANG 王秉正博士, Honours College
- Ms Sao Wai LONG 龍秀慧女士, Graduate School
- Prof. Spencer Alan BENSON, Director of Centre for Teaching and Learning Enhancement

- Prof. Ka-Veng YUEN 阮家榮教授, Registrar
- Mr Kuai Long SOU 蘇桂龍先生, Student Affairs Office

- Mr Chon In WONG 黃俊彥先生, Student representative of UM Students' Union
- Mr Mengyang NI 泥夢陽先生, Student representative of UM Postgraduate Association

9. Scholarship Committee

The Scholarship Committee advises and gives approval in respect of matters pertaining to scholarships and academic prizes.

Composition

Chair

- Prof. Ka-Veng YUEN 阮家榮教授, Registrar

Members

- Prof. Yuanjian HE 何元建教授, Faculty of Arts and Humanities
- Dr Heng TANG 唐恒博士, Faculty of Business Administration
- Prof. Chun Wai CHENG, George 鄭振偉教授, Faculty of Education
- Dr Tze On LEE 李子安博士, Faculty of Health Sciences
- Prof. Bing SHUI 稅兵教授, Faculty of Law
- Prof. Seng Peng MOK 莫昇萍教授, Faculty of Science and Technology
- Prof. Jianwei WANG 王建偉教授, Faculty of Social Sciences

- Prof. Xin CHEN 陳新教授, Institute of Chinese Medical Sciences

- Mr Chap Chong PANG, Paul 彭執中先生, Dean of Students
- Ms Ka Vai VU, Eduarda 鄺嘉慧女士, Head of Registry

10. Sports Committee

The Sports Committee advises on policy making and strategic planning for sports development in the UM; ensures effective use and proper management of sports resources and facilities, encourages the development of organizational sports activities and active participation of members from the UM community.

Composition

Chair

- Prof. Fok Loi HONG 洪福來教授, Faculty of Business Administration

Members

- Mr Heung Chin HUI, Walter 許向前先生, Faculty of Education
- Mr Heng Hong LAM 林慶雄先生, Campus Development Office
- Ms Oi Wai PUN 潘愛慧女士, Campus Services Section
- Ms Siu In KUAN 關小燕女士, Human Resources Office
- Mr Man Kei LEI 李文祺先生, President of UM Staff Sports Club
- Mr Chi Lam CHAN 陳志霖先生, Office of Health, Safety and Environmental Affairs
- Dr Ping Cheung CHAN, Patrick 陳炳祥博士, Office of Sports Affairs
- Dr Manuel Antonio NORONHA, Residential Colleges
- Ms Kwai Chee CHAU 周桂慈女士, Student Affairs Office

- Ms Sao Kei CHEONG 張秀琦女士, Student representative of UM Students' Union
- Mr Mengyang NI 泥夢陽先生, Student representative of UM Postgraduate Association
- Ms Si Wai CHANG 曾詩慧女士, President of Sports Association of UM Students' Union

11. Staff-Student Consultative Committee

The Committee aims to provide a forum for academic matters which may be raised by the members and to increase communication between students and the University on both academic matters and non-academic matters.

Composition

Chair

- Prof. Ka Ki WONG 王嘉祺教授, Faculty of Arts and Humanities

Members

- Dr Roberval SILVA, Faculty of Arts and Humanities
- Dr Teresa CHU 朱善欣博士, Faculty of Business Administration
- Dr Tien Ping HSIANG 向天屏博士, Faculty of Education
- Prof. Wei GE 葛偉教授, Faculty of Health Sciences
- Prof. Teng Piu IAU 邱庭彪教授, Faculty of Law
- Dr Chi Chiu LAM 林智超博士, Faculty of Science and Technology
- Prof. Kwok Kit TONG 唐國傑教授, Faculty of Social Sciences

- Prof. Hao HU 胡豪教授, Institute of Chinese Medical Sciences

- Mr Chap Chong PANG, Paul 彭執中先生, Dean of Students

- Ms Un Ieng LAO 劉婉盈女士, Student representative of UM Students' Union
- Mr Mengyang NI 泥夢陽先生, Student representative of UM Postgraduate Association
- Ms Kin Tong HO 何鍵彤女士, President of Faculty of Arts and Humanities Students' Association
- Mr Junhua SU 蘇俊華先生, President of Faculty of Business Administration Students' Association
- Ms Weng Lam IEONG 楊詠琳女士, President of Faculty of Education Students' Association
- Ms Xiaotong WANG 王曉彤女士, President of Faculty of Health Sciences Students' Association
- Mr In Hang SAM 沈彥亨先生, President of Faculty of Law Students' Association
- Mr Wai Keong HOI 許偉強先生, President of Faculty of Science and Technology

- Students' Association
- Mr Hou Un LEI 李浩遠先生, President of Faculty of Social Sciences Students' Association
- Mr Jinchao WEI 魏金超先生, Student representative of Institute of Chinese Medical Sciences

12. Student Disciplinary Committee

The Student Disciplinary Committee advises and makes recommendations on student disciplinary matters of the University. It reviews and conducts hearings on alleged infractions and acts with power to decide appropriate response and penalties.

Composition

Chair

- Mr Chap Chong PANG, Paul 彭執中先生, Dean of Students

Members

- Prof. Ka-Veng YUEN 阮家榮教授, Registrar
- Prof. Gary WONG 黃值富教授, Faculty of Health Sciences
- Prof. Dan WEI 魏丹教授, Faculty of Law
- Dr Ping Cheung CHAN, Patrick 陳炳祥博士, Director of Office of Sports Affairs
- Ms Un Ieng LAO 劉婉盈女士, Student representative of UM Students' Union
- Mr Mengyang NI 泥夢陽先生, Student representative of UM Postgraduate Association

FINANCE MANAGEMENT COMMITTEE

The Finance Management Committee is the executive body responsible for financial affairs of the University.

Composition

Chair

- Prof. Wei ZHAO 趙偉教授, Rector

Members

- Prof. Lionel Ming-Shuan NI 倪明選教授, Vice Rector (Academic Affairs)
- Prof. Rui Paulo da Silva MARTINS 馬許願教授, Vice Rector (Research)
- Prof. Haydn H. D. CHEN 程海東教授, Vice Rector (Student Affairs)
- Dr Mei KOU 高薇博士, Vice Rector (Administration)

Secretary

- Ms Miu Mei LEI, Candy 李妙媚女士, Acting Director of Finance Office

Academic Dress for Graduates

ACADEMIC DRESS FOR GRADUATES

Specifications of the Graduation Regalia

Doctor of Philosophy

Gowns

- round sleeves in blue
- blue silk piping in front
- front pleats, hook and eye closure
- back yoke cord and button
- 9 cm hem
- in red color

Hoods - red with blue silk hem

Caps - round Cap in black with gold silk tassel

Master's Degree

Gowns

- sleeves with arm slits closed
- front pleats, hook and eye closure
- back yoke cord and button
- 8.5 cm hem
- in black color

Caps - square cap in black with black tassel

Faculty of Arts and Humanities

Hoods - Black with 1 cm gold and 4 cm purple silk hem

Faculty of Business Administration

Hoods - Black with 1 cm gold and 4 cm silver silk hem

Faculty of Education

Hoods - Black with 1 cm gold and 4 cm blue silk hem

Faculty of Health Sciences

Hoods - Black with 1 cm gold and 4 cm bitter lemon silk hem

Faculty of Law

Hoods - Black with 1 cm gold and 4 cm red silk hem

Faculty of Science and Technology

Hoods - Black with 1 cm and 4 cm orange silk hem

Faculty of Social Sciences

Hoods - Black with 1 cm gold and 4 cm green silk hem

Institute of Chinese Medical Sciences

Hoods - Black with 1 cm and 4 cm yellow silk hem

Bachelor's Degree

Gowns

- round sleeves
- front pleats, hook and eye closure
- 6 cm hem
- in black color

Caps - square cap in black with black tassel

Faculty of Arts and Humanities

Hoods - Black with 4 cm purple silk hem

Faculty of Business Administration

Hoods - Black with 4 cm silver silk hem

Faculty of Education

Hoods - Black with 4 cm blue silk hem

Faculty of Health Sciences

Hoods - Black with 4 cm bitter lemon silk hem

Faculty of Law

Hoods - Black with 4 cm red silk hem

Faculty of Science and Technology

Hoods - Black with 4 cm orange silk hem

Faculty of Social Sciences

Hoods - Black with 4 cm green silk hem

Honours College

Stole – Purple with 1 cm gold silk hem, embroidered with UM and HC logos

'Bacharelato' Degree**Gowns**

- round sleeves
- front pleats, hook and eye closure
- 6 cm hem
- in black color

Faculty of Education

Hoods - Black with 4 cm white silk hem

Faculty of Social Sciences and Humanities

Hoods - Black with 2 cm white and 2 cm purple silk hem

Admission Rules

PhD Programmes

(Approved by Senate Graduate Studies Committee on 19 February 2016)

1. ADMISSION REQUIREMENTS

1.1) General Entry to PhD Programmes (for Master's Degree Holders)

Possess a Master's degree from a recognized university and have high academic standing.

1.2) Accelerated Entry to PhD Programmes (for Master's Students)

Have been registered in a Master's Programme at the University of Macau for at least one year.

Have successfully finished the coursework part and have demonstrated strong research ability.

1.3) Direct Entry to PhD Programmes (for Bachelor's Degree Holders)

Hold a Bachelor's degree with a proven record of outstanding performance from a recognized university and have demonstrated strong research ability.

1.4) Proof of English Proficiency

Applicants who received their Bachelor/Master's degree from a university where the medium of instruction was not English are required to provide any of the following as proof of English proficiency:

- Obtained a TOEFL* score of 550 (paper-based examination)/80 (Internet-based examination) or,
- An IELTS* overall score of 6.0 or above with no sub-score lower than 5.5.

Some academic units may have different requirements for proof of English proficiency. Please visit the corresponding website <http://www.umac.mo/grs/> for more details.

*Note: TOEFL and IELTS scores are valid for two years from the test date.

For exceptional cases, admission should be endorsed by the Dean and be approved by the Graduate School.

Note:

Some PhD Programmes may have additional admission requirements. Please visit the corresponding website <http://www.umac.mo/grs/> for more details.

2. APPLICATION PROCEDURES

Online application forms will be available during the application period. Applicants should submit their application via the Online Application System of the University at <http://www.umac.mo/grs/>.

2.1) Read carefully the important notes before you proceed with your application.

2.2) You must have an email address to register as a new user in order to submit an application. Applicants who have successfully registered will receive a reference number (e.g. 1XXXXXXX) and password by email. You must keep such information to login to your account throughout the whole application procedure. (If you fail to receive the

email within 2 days, please contact us by phone at 8822 4898 or by email at gradschool@umac.mo.)

- 2.3) Complete all relevant sections of the Online Application. It is recommended that you supply a local mobile number so that the University may notify applicants of any news by email and SMS.
- 2.4) Scan and upload all required documents to the Online Application System. All submitted documents must be in A4 size, PDF format and the total size for all attached documents should NOT be greater than 6MB.

The documents should include:

- 2.4.1) Identification card copy.
- 2.4.2) Personal curriculum vitae.
- 2.4.3) Passport size photo (in JPG format with 300dpi, with no border and white background).
- 2.4.4) Certificates and academic transcripts:
 - 2.4.4.1) General Entry to PhD Programmes (for Master's Degree Holders): each of the certificate and academic transcript of both the Bachelor's degree and Master's degree
 - 2.4.4.2) Accelerated Entry to PhD Programmes (for Master's Students): Bachelor's degree certificate and academic transcript, Master's academic transcript in University of Macau
 - 2.4.4.3) Direct Entry to PhD Programmes (for Bachelor's Degree Holders): Bachelor's degree certificate and academic transcript.
- 2.4.5) Non-UM current students must submit a testimonial which must be issued in not more than 60 days prior to the submission of the application for the PhD Programme.
- 2.4.6) Applicants currently studying in the final year of a Master's degree Programme at the University of Macau do not need to submit the master's degree transcript and testimonial.
- 2.4.7) Recommendation Forms. Applicants must use the recommendation forms provided by the Graduate School. Each application must contain two completed recommendation forms. At least one of the two recommendation forms must be completed by a university academic. The other one can be completed by either a university academic or an employer. Applicants can submit them either online or by post. (However, to avoid possible postal delay, online recommendations are recommended.)
 - 2.4.7.1) If you prefer to submit online recommendations, you must make sure your referees submit your recommendations to us before the application deadline (An automatic notification email will be sent to the applicant once we receive the recommendations. If applicants do not receive this email, it means your referee has not submitted the online recommendation for you yet. You should contact your referee as soon as possible to make sure that it is submitted by the application deadline:).
 - 2.4.7.2) If you choose to submit by post, the forms should be sealed in an envelope by your referee and forwarded/sent to the Graduate School directly. Please write on the envelope your application number YP-BX-XXXX-X or reference number 1XXXXXXX before sending the

recommendation form to us.

- 2.4.8) A statement addressing the area or topic of the applicant's interest in pursuing PhD studies. The statement must be of no more than 15 pages or of size less than 1 MB.
 - 2.4.9) Proof of English proficiency (Please refer to Item 1.4 under Admission Requirements for details).
 - 2.4.10) Applicants who received their Bachelor/Master's degree from a university where the medium of instruction was English are required to provide a proof of English as the medium of instruction, if deemed necessary, issued by the applicants' university where their Bachelor/Master's degree was obtained (UM's current students and graduates are not required to provide such proof).
 - 2.4.11) Other documents as requested by the programme for which the candidate is applying (if applicable).
 - 2.4.12) Self-financed students applying for PhD Programmes are required to submit a proof of financial support, e.g. bank statements, savings account passbooks, tax receipts and salary slips.
 - 2.4.13) Application without the above mentioned documents enclosed will not be processed.
 - 2.4.14) Documents submitted to the University will not be returned to the applicant
- 2.5) Verify all application data before submitting the application. Once the application is submitted, no data can be changed. Each applicant can submit only one application in the same academic year. If necessary, the applicant can indicate in his/her application a maximum choice of two programmes in one application with priority given to each programme. Although the applicant can apply for two programmes, application fee will be charged once only.
- 2.6) Settle the application fee by the deadline of the application period (For more details, please refer to 2.12).
- 2.7) Once the application fee is settled, an acknowledgment email with an application number (YP-BX-XXXX-X) will be sent to you by email. Applications without an application number will not be regarded as valid. If you do not receive any acknowledgment email, please contact us by email at gradschool@umac.mo.
- 2.8) Academic documents (such as recommendation forms, certificates, testimonials, academic transcript, etc.) submitted must be of the same language version as that of the thesis language of the programme being applied. Otherwise, the application will not be considered.
- 2.9) For transferring students, according to the 《Regulations of the Programmes of the University of Macau》, students must withdraw from their original universities before transferring to the University of Macau.
- 2.10) Late applications will be considered only under very special circumstances.
- 2.11) Candidates who are given an offer of admission will be requested to submit certified true

copies of their academic documents. This requirement will be confirmed in the "Offer of Admission" letter and submission of these documents is required to validate admission.

- 2.12) The application fee for each application is MOP200.00. The application fee is non-refundable.

The application fee payments must be made by the deadline of the application period:

- 2.12.1) by online credit card payment (please follow the payment instructions on the website);
- 2.12.2) by cheque, bank draft or cashier's order drawn on a bank in Macao and made payable to the "University of Macau". An additional handling charge of MOP50 is required for each foreign bank draft or cashier's order. However, the exact amount of handling fees depends on the amount charged by banks. Our University reserves the right to recover the difference.

(Applicants who choose option 2.12.2 must print the application fee payment slip after they have completed the application at the Online Application System and submit the slip to the Treasury Section at Room 1012, Administration Building for payment.)

3. INTERVIEW

If interviews are required of the applicants, the academic unit concerned will inform the applicants about the interview details.

4. TUITION FEES

4.1) Please refer to the Tuition Fees Scheme for Doctoral Programmes for further details.

4.2) Tuition Fees are subject to revision annually.

5. THESIS SUPERVISION FEE

A PhD thesis carries 18 credits. The tuition fees therefor are charged for 3 credits per semester. Where students finish the thesis and pass the oral defence within 6 semesters, they still have to settle the tuition fees in full amount for the 18 credits. Where on the other hand students cannot finish the thesis and pass the oral defence within 6 semesters, they have to pay in each semester an extended Thesis Supervision Fee equivalent to 2 credits.

6. POSTGRADUATE ASSISTANTSHIPS

Postgraduate assistantships are available to qualified full-time PhD/Master's students of the University which serve as a source of stipend for students. The administration of funding to PhD/Master's students is the responsibility of the academic unit and/or the supervisor concerned. Please refer to the *Postgraduate Student Funding Policies* for further details.

7. PhD CANDIDACY

Students with insufficient academic background may be considered and will be given provisional status. PhD students admitted under provisional status have to complete the additional courses required when they were admitted. Students passing their provisional status should be officially approved by the Dean/Director of the academic unit concerned, before becoming eligible for the qualifying examination. Academic unit should then inform the Graduate School to update the

student status on the following day of the approval of passing the provisional status.

Each PhD student must complete the seminars/courses offered by the Graduate School and the academic unit concerned. In addition, a student must pass three assessments during his/her study. The three assessments include qualifying examination, a thesis proposal assessment and a thesis oral defence examination. A student should pass the qualifying examination within 2 years and the thesis proposal assessment within 4 years after his/her initial registration at the UM in order to achieve PhD candidacy. A student failing to do so will be discontinued from the enrolled PhD Programme.

For more details about the “General Rules Governing PhD Programmes”, please visit the UM’s website: <http://www.umac.mo/grs/>.

* For students admitted in academic year 2015/2016 onwards, the PhD normative period of study is five years; the maximum period of study is eight years for non-working students and ten years for working students.

8. TERMINATION OF APPLICATION OR STUDY

- 8.1) Applicants must guarantee that the information given in the application form is TRUE and the UM reserves the right to terminate an application or study at any time if any information given in his/her application form is found later to be untrue, false or incorrect.
- 8.2) For the purposes established in Article 25 of Decree No.11/91/M, of February 4, registered students of the UM cannot concurrently register/enrol in any other higher education programme(s) in Macao, including the programme(s) offered by the UM. If students are found to be registered for more than one higher education programme, the UM reserves the right to terminate his/her application or study at any time.

9. DEFERMENT OF STUDY FOR NEW STUDENTS

- 9.1) New students can apply for deferment of study for not more than one academic year. Application for such deferment should be made before class commencement. New students must fulfill all the conditions stated in their offer letters and submit the required amount of non-refundable deposit before they become eligible to apply for deferment of study. Such applications will only be permitted for medical reasons and exceptional cases with sound justification. For medical reasons, students are required to submit medical certificates issued by hospitals at the time of application. For exceptional cases with sound justification, students are required to specify the reason and submit written certifications at the time of application.
- 9.2) Students who have deferred their studies and wish to return to the University should apply for resumption of study. Resumption is not granted automatically. Besides, new students are not permitted to transfer to another programme when they apply for resumption of study.

10. PERSONAL IDENTIFICATION

Applicants must hold valid personal identification documents for admission:

- Valid Macao identification card for local applicants;
- Valid passport for non-local applicants.

For Chinese Mainland identification card or passport holders, please refer to the admission guidelines for PhD Programmes for Chinese Mainland applicants at <http://www.umac.mo/grs/>.

11. SUBMISSION OF DOCUMENTS

11.1) For Application:

Applicants must scan and upload all required documents to the Online Application System of the University for application. Otherwise, the application will not be considered. (For details, please refer to Point 2.4.)

11.2) Upon Offer of Admission:

Upon offer of admission, candidates will be requested to provide certified true copies of their academic documents. Certified true copies of the degree certificates and official transcripts should be sent directly by the issuing authorities to the Graduate School before registration, otherwise, the offer of admission will be cancelled and the student will not be eligible for registration. All submitted documents will not be returned.

11.2.1) Degree Certificates

11.2.1.1) Official certified true copies are required.

11.2.1.2) Documents not in English/Chinese must be accompanied by officially certified English translations. Officially certified true copies of degree certificates in the original language are still required.

11.2.1.3) For final year students, if award is confirmed but formal conferment is only available after programme commencement, a letter of graduate certification issued by a Central Unit (e.g. Registry) of the institution (preferably with date of conferment and award classification) is required.

11.2.2) Official Transcripts

11.2.2.1) Should be sent directly by the issuing authority.

11.2.2.2) Only if the issuing authority does not provide direct delivery service, the transcript in an envelope sealed by the institution is acceptable. The envelope should be stamped on the sealed flap and must not be reopened once it has been sealed and stamped until it is received by the Graduate School.

11.2.2.3) Must be accompanied by an explanation of the grading system used.

11.2.2.4) Documents not in English/Chinese must be accompanied by officially certified English translations. Officially certified transcripts in the original language are still required.

11.2.3) Certified True Copy of Proof of Financial Support (only for Self-financed PhD students only).

12. SPECIALIZATION

For details, please refer to Specialization for PhD Programmes at the Graduate School's website: <http://www.umac.mo/grs/>.

Master's Degrees & Postgraduate Certificates/Diploma Programmes

(Approved by Senate Graduate Studies Committee on 19 February 2016)

1. LIST OF MASTER'S DEGREE PROGRAMMES TO BE OFFERED IN 2016/2017

Faculty	Programme Code	Programme	Medium of Instruction	Normal Duration of Study
Faculty of Arts and Humanities	MAHELS	1. Master of Arts - English Studies	English	2 academic years (1 year coursework & 1 year thesis)
	MAHCLN MAHCLT	- Chinese Linguistics - Chinese Literature	Chinese	
	MAHMPLLC MAHMPLLG	- Portuguese Language & Culture (Literature & Cultural Studies) - Portuguese Language & Culture (Applied Linguistics)	Portuguese	
	MAHTRSEC	- Translation Studies (English-Chinese)	Chinese/ English	
	MAHTRSPC	- Translation Studies (Portuguese-Chinese)	Chinese/ Portuguese	
Faculty of Business Administration	MBA	1. Master of Business Administration	English	2 academic years (including coursework & thesis)
	MSBACT MSBFNA MSBIRT	2. Master of Science - Accounting - Finance - International Integrated Resort Management		
Faculty of Education	MEDCCI MEDCCISCE	1. Master of Education® - Curriculum & Instruction - Curriculum & Instruction – Science Education	Chinese and English	2 academic years (1 year coursework & 1 year thesis)
	MEDCCIITE	- Curriculum & Instruction – Instructional Technology Education		
	MEDCCICHE	- Curriculum & Instruction – Chinese Language Education		
	MEDCCIMAE	- Curriculum & Instruction – Mathematics Education		
	MEDCCIEINE	- Curriculum & Instruction – English Language Education		
	MEDEA	- Educational Administration		
	MEDECD	- Early Childhood Education and Child Development		
	MEDSCS	- School Counseling		
	MEDEPY	- Educational Psychology		
	MEDPSS	- Physical Education & Sport Studies		
Faculty of Law	MSLCBA	1. Master of Law in Chinese Language - Constitutional Law, Basic Law and Administrative Law	Chinese	2 academic years (1 year coursework & 1 year thesis)
	MSLCRL MSLCIL MSLCML MSLERL	- Comparative Criminal Law - Comparative Civil Law - International Commercial Law - Environmental and Nature Resources Law	English	
	MELEUN	2. Master of Law in European Union Law (English)		
	MELICL	3. Master of Law in International and Comparative Law (English)		
	MELIBL	4. Master of Law in International Business Law (English)		
	MPLJUP	5. Master of Law in Juridical Sciences (Portuguese)	Portuguese	

Faculty	Programme Code	Programme	Medium of Instruction	Normal Duration of Study
Faculty of Law	MPLJPP	6. Master of Law in Juridical-Political Sciences (Portuguese)	Portuguese	2 academic years (1 year coursework & 1 year thesis)
	MMLLLP	7. Master of Law in Macao Law and Practice [®]	Portuguese & Chinese	
	MMLLTS	8. Master of Law in Legal Translation [®]		
Faculty of Social Sciences	MASSCNM	1. Master of Arts - Communication and New Media [®]	English	2 academic years (1 year coursework & 1 year thesis)
	MASSHIT	- History	English & Chinese	
	MASSIRP	- International Relations and Public Policy [®]	English	
	MASSEUS	- European Studies	English	
	MPC	2. Master of Public Administration [®]	Chinese but supplemented with English	
	MSSCRI	3. Master of Social Sciences - Criminology and Criminal Justice	English but supplemented with Chinese	
	MSSECO	- Economics [®]	English	
	MSSMOS	- Macao Studies	Chinese and English	
Faculty of Science & Technology	MSCCVLHE MSCCVLTG	1. Master of Science in Civil Engineering - Hydraulics and Environmental Engineering - Structural and Geotechnical Engineering	English	2-3 academic years (including coursework & thesis)
	MSCEMM	2. Master of Science in E-Commerce Technology		
	MSCECT	3. Master of Science in Electrical and Computer Engineering		
	MSCEMG	4. Master of Science in Electromechanical Engineering		
	MSCCOS	5. Master of Science in Computer Science		
	MSTMAT	6. Master of Science in Mathematics		2 academic years (1 year coursework & 1 year thesis)
Institute of Chinese Medical Sciences	MCMCMS MCMMD	1. Master of Science - Chinese Medicinal Science - Medicinal Administration	English but supplemented with Chinese	2 academic years (1 year coursework & 1 year thesis)

Most of the above programmes are evening programmes, classes start after 6:00 p.m. Please consult the Academic Unit concerned for exact class schedule.

[®] Courses will normally be conducted in daytime during weekdays.

2. LIST OF POSTGRADUATE CERTIFICATE/DIPLOMA PROGRAMMES TO BE OFFERED IN 2016/2017

Faculty	Programme Code	Programme	Medium of Instruction	Normal Duration of Study
Faculty of Education	PGCEPRD PGCEPYD PGCESED	1. Postgraduate Certificate in Education - Pre-Primary Education ² - Primary Education ² - Secondary Education ²	Chinese	1 academic year
Faculty of Law	LCLPCBA LCLPCRL LCLPCIL LCLPCML LCLPERL	1. Postgraduate Certificate in Law in Chinese Language - Constitutional Law, Basic Law and Administrative Law - Comparative Criminal Law - Comparative Civil Law - International Commercial Law - Environmental and Nature Resources Law	Chinese	1 academic year
	LELPEUN	2. Postgraduate Certificate in Law in European Union Law (English)	English	
	LELPICL	3. Postgraduate Certificate in Law in International and Comparative Law (English)	English	
	LELPIBL	4. Postgraduate Certificate in International Business Law (English)	English	
	LPCJD LPCPO	5. Postgraduate Certificate in Law of Macao - Juridical Sciences - Juridical-Political Sciences	Portuguese	2 academic years
	LML	6. Introduction to Macao Law ²	Chinese	

² Please visit the Graduate School's website for more details regarding the specific English proficiency requirement.

3. ADMISSION REQUIREMENTS

3.1. Master's Degree Programmes

3.1.1 Admission is open to applicants who have at least a 4-year Bachelor's degree or equivalent in related fields from an accredited institution.

3.1.2 Applicants currently studying in the final year of Bachelor's degree programmes may also submit applications. Successful applicants will be provisionally offered and will only be formally admitted upon successful completion of their Bachelor's degree programmes with overall result satisfying the requirements set by the respective programme.

3.1.3 Applicants should have achieved the equivalent* of an overall result of Grade C+ or better in the Bachelor's degree studies. (Except for the Faculty of Law)

3.1.4 Applicants must fulfil the Language Proficiency requirement of the specific programme.

* The equivalent means 2.3 on the 4.0 GPA scale, 14 on the 20-point scale or 70 out of 100.

3.2. Postgraduate Certificate/Diploma Programmes

3.2.1 Admission is open to applicants who have at least a 4-year Bachelor's degree or equivalent in related fields from an accredited institution.

3.2.2 Applicants currently studying in the final year of Bachelor's degree programmes may also submit applications. Successful applicants will be provisionally offered and will only be formally admitted upon successful completion of their Bachelor's

degree programmes with overall result satisfying the requirements set by the respective programme.

3.2.3 Applicants must fulfil the Language Proficiency requirement of the specific programme.

3.3 Applicants who received their Bachelor/Master's degree from a university where the medium of instruction was not English are required to provide one of the following as proof of English proficiency:

- Obtained a Level 6 of the College English Test (CET) score of 430 or;
- Obtained a TOEFL* score of 550 (paper-based examination)/80 (Internet-based examination) or;
- An IELTS* overall score of 6.0 or above with no sub-score lower than 5.5 or;
- Passed the Level 4 or Level 8 of the Test for English Majors (TEM).

Some academic units may have different requirements for proof of English proficiency. Please visit the corresponding academic unit's website for more details.

*Note: TOEFL and IELTS scores are valid for two years from the test date.

3.4 Please refer to the programme information for individual programme's specific admission requirements.

4. APPLICATION PROCEDURES

Online application forms will be available during the application period. Applicants should submit their application via the Online Application System of the University at <http://www.umac.mo>.

4.1 Read carefully the important notes before you proceed with your application.

4.2 You must have an email address to register as a new user in order to submit an application. Applicants who have successfully registered will receive a reference number (e.g. 1XXXXXXX) and password by email. You must keep such information to login to your account throughout the whole application procedure. (If you fail to receive the email within 2 days, please contact us by phone at 8822 4898 or by email at gradschool@umac.mo.)

4.3 Complete all relevant sections of the Online Application. It is recommended that you supply a local mobile number so that the University may notify applicants of any news by email and SMS.

4.4 Scan and upload all required documents to the Online Application System. All submitted documents must be in A4 size, PDF format and the total size for all attached documents should NOT be greater than 6MB.

The documents should include:

4.4.1 Identification card copy.

4.4.2 Photo (passport size photo in JPG format with 300dpi, with no border and white background; this photo will be used for making the student identification card for all offered applicants.).

4.4.3 Certificate(s) and academic transcript(s) for the programme(s) taken and documents supporting information given in the application form.

4.4.4 Applicants currently studying in the final year of Bachelor's degree programmes

should submit their most updated academic transcript (It must include at least 3 years' results, if the transcript has more than one page, you should scan all pages in ONE FILE and upload it at the appropriate area.), testimonial and documents supporting information given in the application form.

(Applicants currently studying in the final year of Bachelor's degree at the University of Macau do not need to submit the bachelor's degree transcript and testimonial, other documents remain the same with other applicants.)

- 4.4.5 Applicants (in-service teachers) of Postgraduate Certificate in Education Programme (PGCE) must submit one Teacher's I.D. card copy.

4.4.6 Recommendation forms

4.4.6.1 Applying for the Postgraduate Certificate in Education Programme, in-service teachers must use the paper recommendation form provided by the Faculty of Education (this recommendation form can be downloaded at the Graduate School's website at <http://www.umac.mo/grs/>). Pre-service teachers must use the paper recommendation form provided by the Graduate School. Only one recommendation form is required, the form should be sealed in an envelope by your referee and forwarded/sent to the Graduate School directly.

4.4.6.2 No recommendation form is required from applicants of Introduction to Macao Law programme (LML) and Improvement of Legal Practice and Language programme (LPL).

4.4.6.3 Applicants of all the other programmes must use the recommendation forms provided by the Graduate School. Each application must submit two recommendation forms. One of the recommendation forms must be completed by university academics. If applying for admission to programmes taught in English, English recommendation forms should be used.

4.4.6.4 Further to 4.4.6.3, paper recommendation and online recommendation forms are both accepted. If you prefer to submit online recommendation forms, you must make sure your referees submit your recommendation forms to us before the application deadline (An automatic notification email will be sent to the applicant once we receive the recommendation forms. If applicants do not receive this email, that means your referee has not submitted the online recommendation form for you yet. You should contact your referee as soon as possible to make sure that it is submitted by the application deadline.). If you choose to use paper recommendation forms, the forms should be sealed in an envelope by your referee and forwarded/sent to the Graduate School directly. Please write on the envelope your application number DP-BX-XXXX-X or reference number 1XXXXXXXX before sending the recommendation form to us.

- 4.4.7 Proof of English proficiency (please refer to Item 3.3 under Admission Requirements for details.)

- 4.4.8 Applicants who received their Bachelor/Master's degree from a university where the medium of instruction was English are required to provide a proof of English as the medium of instruction, if deemed necessary, issued by the applicants' university where their Bachelor/Master's degree was obtained
-

(UM's current students and graduates are not required to provide such proof).

- 4.4.9 Students applying for admission to programmes taught in English must submit English version of certificate(s)/testimonial(s) and academic transcript(s).
- 4.4.10 Application without the above mentioned documents enclosed will not be processed.
- 4.4.11 Documents submitted to the University will not be returned to the applicant.
- 4.5 Verify all application data before submitting the application. Once the application is submitted, no data can be changed. Each applicant can submit only one application in the same academic year. If necessary, the applicant can indicate in his/her application a maximum choice of two programmes with priority given to each programme. Although the applicant can apply for two programmes, application fee will be charged once only.
- 4.6 Pay the application fee by the deadline of the application period (For more details, please refer to Point 7).
- 4.7 Once the application fee is settled, an acknowledgment email with an application number (DP-BX-XXXX-X) will be sent to you by email. Applications without an application number will not be regarded as valid. If you do not receive any acknowledgment email, please contact us by email at gradschool@umac.mo.
- 4.8 If the academic documents provided are not in Chinese/English/Portuguese, applicants must submit an English version of certificate(s)/testimonial(s) and academic transcript(s) issued by the respective university/institution. Applicants can also submit translated English copies of the documents. Otherwise, the application will not be considered.
- 4.9 According to the 《Regulations of the Programmes of the University of Macau》, students must withdraw from their original universities before transferring to the University of Macau.
- 4.10 Late applications will be considered only under very special circumstances.
- 4.11 Candidates made an offer of admission will be requested to submit certified true copies of their academic documents. This requirement will be confirmed in the Offer Letter and submission of these documents is required to validate admission.

5. SELECTION

Should an interview be required for application to a certain programme, the academic unit concerned will inform candidate for further details of the interview.

6. POSTGRADUATE ASSISTANTSHIPS

Postgraduate assistantships are available to qualified full-time PhD/Master's students of the University which serve as a source of stipend for students. The administration of funding to PhD/Master's students is the responsibility of the academic unit and/or the supervisor concerned. Please refer to the *Postgraduate Student Funding Policies* for further details.

7. APPLICATION FEE

The application fee for each application is MOP200.00. The application fee is non-refundable. The application fee payments must be made by the deadline of the

application period:

- 7.1 by online credit card payment (please follow the payment instructions on the website);
- 7.2 by cheque, bank draft or cashier's order drawn on a bank in Macao and made payable to the "University of Macau". An additional handling charge of MOP50 is required for each foreign bank draft or cashier's order. However, the exact amount of handling fees depends on the amount charged by banks. Our University reserves the right to recover the difference.

(For 7.2, applicants must print the application fee payment slip after they have completed the application at the Online Application System and submit it to the Treasury Section at Room 1012, Administration Building for payment.)

8. TUITION FEES

8.1 Please refer to the Tuition Fees Scheme of Postgraduate Programmes for further details.

8.2 Tuition Fees are subject to revision annually.

9. THESIS SUPERVISION FEE

An academic or applied thesis of a Master programme carries 6 and 3 credits respectively. The tuition fees therefor are charged for 3 credits per semester. Where students finish their academic thesis and pass the oral defence within two semesters, they still have to settle the tuition fees in full amount for the 6 credits. Where on the other hand students cannot finish their academic thesis and pass the oral defence within 2 semesters, or cannot finish their applied thesis and pass the oral defence within 1 semester, they have to pay in each semester an extended Thesis Supervision Fee equivalent to 2 credits.

10. NON-REFUNDABLE DEPOSIT

Applicants are required to pay the non-refundable deposit when they receive their admission offer. The non-refundable deposit is non-refundable and will be used to offset part of the tuition fee payable for that academic year when the applicant has completed the registration.

11. DEFERMENT OF STUDY FOR NEW STUDENTS

- 11.1 New students can apply for deferment of study for not more than one academic year. Application for such deferment should be made before class commencement. New students must fulfil all the conditions stated in their offer letters and submit the required amount of non-refundable deposit before they become eligible to apply for deferment of study. Such applications will only be permitted for medical reasons and exceptional cases with sound justification. For medical reasons, students are required to submit medical certificates issued by hospitals at the time of application. For exceptional cases with sound justification, students are required to specify the reason and submit written certifications at the time of application.
- 11.2 Students who have deferred their studies and wish to return to the University should apply for resumption of study. Resumption is not granted automatically. Besides, new students are not permitted to transfer to another programme when they apply for resumption of study.

12. COURSE EXEMPTION

Students who have completed equivalent courses in other tertiary education institutions may apply for course exemption to the academic unit concerned before the last day of course

add/drop period. Applications should be submitted to the respective academic unit and be accompanied by supporting documents, showing that the students have passed equivalent courses elsewhere.

13. CANCELLATION OF PROGRAMMES

The University reserves the right not to offer any programmes, or to suspend student intake temporarily, if supervening conditions require.

14. TERMINATION OF APPLICATION OR STUDY

- 14.1 Applicants must guarantee that the information given in the application form is TRUE and the University of Macau reserves the right to terminate an application or study at any time if any information given in his/her application form is found later to be untrue, false or incorrect. Should such a case occur, no fees will be refunded.
- 14.2 For the purposes established in article 25 of the Decree No. 11/91/M, of February 4, registered students of University of Macau cannot concurrently register/enrol in any other higher education programme(s) in Macao, including the programme(s) offered by the University of Macau. If students are found to be registered for more than one higher education programme, the University of Macau reserves the right to terminate his/her application or study at any time.

15. PERSONAL IDENTIFICATION

Applicants must hold valid personal identification documents for admission:

- 15.1 Valid Macao identification card for local applicants;
15.2 Valid passport for non-local applicants.

For Chinese Mainland identification card or passport holders, please refer to the admission guidelines for Master's Degree Programmes for Chinese Mainland applicants at <http://www.umac.mo/grs/>.

16. SUBMISSION OF DOCUMENTS

- 16.1 For Application:
Applicants must scan and upload all required documents to the Online Application System of the University for application. Otherwise, the application will not be considered. (For details, please refer to Point 4.4.)
- 16.2 Upon Offer of Admission:
Upon offer of admission, candidates will be requested to provide certified true copies of their academic documents. Certified true copies of the degree certificates and official transcripts should be sent directly by the issuing authorities to the Graduate School before registration, otherwise, the offer of admission will be cancelled and the student will not be eligible for registration. All submitted documents will not be returned.
- 16.2.1 Degree Certificates
- 16.2.1.1 Official certified true copies are required.
 - 16.2.1.2 Documents not in English/Chinese must be accompanied by officially certified English translations. Officially certified true copies of degree certificates in the original language are still required.
 - 16.2.1.3 For final year students, if award is confirmed but formal conferment is only available after programme commencement, a letter of graduation certification issued by a Central Unit (e.g. Registry) of the institution (preferably with date of conferment and award

classification) is required.

16.2.2 Official Transcripts

16.2.2.1 Should be sent directly by the issuing authority.

16.2.2.2 Only if the issuing authority does not provide direct delivery service, the transcript in an envelope sealed by the institution is acceptable. The envelope should be stamped on the sealed flap and must not be reopened once it has been sealed and stamped until it is received by the Graduate School.

16.2.2.3 Must be accompanied by an explanation of the grading system used.

16.2.2.4 Documents not in English/Chinese must be accompanied by officially certified English translations. Officially certified transcripts in the original language are still required.

17. ADMISSION POLICY FOR DISABLED STUDENTS

With the purpose of providing an equal admission opportunity, necessary study environment and facilities for disabled students, the University has devised the "Admission Policy for Disabled Student".

Please visit the website at <http://www.umac.mo/grs/> for details.

ADMISSION RULES

Bachelor's Degree Programmes

(Approved by General Affairs Committee on 04 November 2015)

1. List of Bachelor programmes to be offered and Admission Examination subjects required in 2016/2017

Faculty	Programme code	Programme	Major	Examination subjects required	Language of instruction
Faculty of Arts and Humanities	FAHCLL	Bachelor of Arts	Chinese Language and Literature	① Chinese ② English I ③ Mathematics B*	Chinese
	FAHENS	Bachelor of Arts	English Studies		English
	FAHJAP	Bachelor of Arts	Japanese Studies		Japanese but supplemented with English
	FAHPTS	Bachelor of Arts	Portuguese Studies		Portuguese
Faculty of Business Administration	FBAACC	Bachelor of Science	Accounting*		English
	FBAFNC	Bachelor of Science	Finance		
	FBAGBS	Bachelor of Business Administration*			
	FBAHGM	Bachelor of Science	Hospitality and Gaming Management*		
Faculty of Education	FEDCHN	Bachelor of Education	Chinese*		Chinese
	FEDENG	Bachelor of Education	English*		English

Faculty	Programme code	Programme		Major	Examination subjects required	Language of instruction
Faculty of Education	FEDPPE	Bachelor of Education		Pre-Primary Education*	① Chinese ② English I ③ Mathematics B*	English and Chinese
	FEDPYE	Bachelor of Education		Primary Education*		
Faculty of Health Sciences	FHSBIO	Bachelor of Science		Biomedical Sciences**		
Faculty of Law	FLLBLD	Bachelor of Law (Chinese Language Day Time Programme)			① Chinese ② Portuguese B/ English I	Chinese
	FLLBLE	Bachelor of Law (Chinese Language Five-year Evening Programme)				
	FLLBLL	Bachelor of Law (Chinese and Portuguese Language Five-year Programme)				
	FLLWA	Bachelor of Law* (Portuguese Language Five-year Evening Programme)			① Portuguese A ② Chinese/English I	Portuguese
Faculty of Social Sciences	FSSCOM	Bachelor of Social Sciences	Communication		① Chinese ② English I ③ Mathematics B*	English
	FSSECN	Bachelor of Social Sciences	Economics			
	FSSGPA	Bachelor of Social Sciences	Government and Public Administration			
	FSSHST	Bachelor of Arts	History			English/ Chinese
	FSSPSY	Bachelor of Social Sciences	Psychology			

Faculty	Programme code	Programme	Major	Examination subjects required	Language of instruction
Faculty of Social Sciences	FSSSOC	Bachelor of Social Sciences	Sociology	① Chinese ② English I ③ Mathematics B*	English
Faculty of Science and Technology	FSTCPS	Bachelor of Science	Computer Science	① Chinese ② English I ③ Mathematics A	
	FSTCVE	Bachelor of Science	Civil Engineering	① Chinese ② English I ③ Mathematics A ④ Physics	
	FSTECE	Bachelor of Science	Electrical and Computer Engineering		
	FSTEME	Bachelor of Science	Electromechanical Engineering		
	FSTMAA	Bachelor of Science	Mathematics (Mathematics and Applications)		
	FSTMAE	Bachelor of Science	Mathematics (Mathematics Education)*		English/ Chinese

Remarks:

- ① Students majoring in Accounting will be asked to declare one of the following two specializations: "Professional Accountancy" or "Accounting and Information Systems".
- ② An interview may be required for programme admission. Notification regarding interview arrangements will be sent by email and SMS during the first week of May.
- ③ Students enrolled in the "Bachelor of Business Administration" programme will be asked to declare one of the following five majors: Business Economics, Global Business Management, Human Resources Management, Marketing, Financial Controllorship. Those who do not declare a major or do not follow a prescribed set of courses for a major will be conferred the degree of Bachelor of Business Administration with no designation of major of study upon graduation.
- ④ The result of Mathematics A may replace that of Mathematics B.
- ⑤ Applicants of "Bachelor of Science in Biomedical Sciences" must be from a science stream and must have studied Chemistry and Biology in senior secondary school.

2. Admission Channels

2.1 Applicants may apply for admission to the bachelor programme by way of one of the following channels, whichever is applicable to them:

- 2.1.1 Admission Examination;
- 2.1.2 Direct Admission.

2.2 Applicants are required to complete and submit the on-line application form with the

relevant documents via the On-line Application System of the University within the application dates.

- 2.3 For the on-line application procedures, applicants can refer to the “On-line Application Guide for Admission Examination” on the Registry’s webpage.

3. Application Period

Admission channel	Application period
Admission Examination	11/01 – 19/02/2016
Direct Admission	01/04 – 29/04/2016

4. Application Fee

- 4.1 Applications are valid only when the applicants have paid the application fees as appropriate to their admission channels before the application period ends.

Admission channel	Amount
Admission Examination	MOP400
Direct Admission	MOP150
Transfer Admission	

- 4.2 Applications will be regarded as invalid should the applicant fail to pay the application fee by the application deadline.
- 4.3 The application fee is non-refundable. Should the University cancel a programme of study, application fees paid will be refunded.
- 4.4 Applicants can refer to the On-line Application System for details on the payment methods.

5. Admission Examination

- 5.1 Application requirements

Applicants with any of the following qualifications may apply for bachelor programme by Admission Examination:

Application requirements	Required academic documents
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5.1.1	Grade 12 or equivalent graduates	Copies of certificate(s) and academic transcripts for Grade 12 or equivalent in secondary school.
5.1.2	Candidates currently studying in Grade 12 or equivalent	Copies of academic transcripts for the first semester of Grade 12 or equivalent in secondary school.
5.1.3	For applicants aged 25 or above on 1 September 2016 with related working experience, the admission requirements stated above may be exempted. However, they must sit for the Admission Examinations as required.	---

5.2 Admission Examination timetable and Admission Examination syllabus and past papers

5.2.1 Admission Examination Timetable

Date	Time	<u>Subject code and title</u>	
08/04/2016 (Friday)	18:00 – 21:00	P101	Portuguese A
	18:00 – 20:00	P102	Portuguese B
09/04/2016 (Saturday)	10:00 – 12:00	H101	Physics
	15:30 – 17:30	M101	Mathematics A
		M102	Mathematics B
10/04/2016 (Sunday)	10:00 – 12:00	C100	Chinese
	15:30 – 17:30	E101	English I

5.2.2 Applicants may log into 'local students' of the Registry's webpage for the 2016/2017 Admission Examination syllabuses and past papers.

5.3 Application for exemption from taking particular Admission Examinations subjects

5.3.1 Admission Examination candidates may apply for exemption from taking Chinese, English I, Mathematics A and Mathematics B.

5.3.1.1 Chinese

Applicants without basic education in Chinese Language and Literature during the last three years of study in secondary education may apply for exemption from the Chinese examination. However, applicants who have applied for the programmes with Chinese as the medium of instruction must sit for the Chinese examination.

5.3.1.2 English I

Applicants who have attained any of the following results may apply for

exemption from the English I examination.

- Test of English as a Foreign Language (TOEFL)
 - Paper-based test: a minimum score of 550; or
 - Computer-based test: a minimum score of 213; or
 - Internet-based test: a minimum score of 80; or
- International English Language Testing System (IELTS)
 - a Band 6.0 or above.

5.3.1.3 Mathematics A and Mathematics B

During the last three years of secondary school study, applicants who have been awarded the “First Class or Second Class Award” in the Individual Category of Inter-School Mathematics Competition organized by the Education and Youth Affairs Bureau (DSEJ) may apply for exemption from taking the Mathematics A and Mathematics B examinations.

5.3.2 Application procedures

5.3.2.1 Applicants must submit the exemption application within the period of **11/01-03/02/2016**.

5.3.2.1.1 Exemption applications should be submitted with a completed application form of “Exemption from Taking Admission Examination Subjects” (REG/Form/050) form. The application form can be downloaded from the Registry’s website of “Undergraduate Admission”.

5.3.2.1.2 Exemption applications should be submitted with certified true copies of supporting documents (applicants can bring both originals and copies of documents while the copies will be certified by Registry staff on site)

5.3.2.2 Exemption applications without supporting documents or late applications will not be processed.

5.3.3 Applicants have to state their programme choices on their Exemption Application Forms. Exemption will be considered based on these choices as well as the documents submitted.

5.3.4 Candidates have to sit for the examinations on those subjects that are not allowed for exemption.

5.3.5 On the publication of the Admission Examination results, the results for any subject exempted will be represented as “Exempted”.

5.3.6 Except for exempted subjects, candidates are required to sit for all the required admission examination subjects according to the programmes applied.

5.3.7 Candidates who are granted exemption and all the other applicants will be pooled together for admission selection. For the purposes of admission, the individual subject score and the total score requirements for the programmes for which they applied will not be applicable to any subject they are exempted from. However, for them to be considered for admission, they still have to fulfil other admission criteria of the programmes in question such as the minimum admission score or their interview performance.

5.4 Preferential Admission Scheme

- 5.4.1 The University has introduced the Preferential Admission Scheme for the candidates of the Admission Examination who possess documented merits in these fields: academic studies, sports and music. Upon examination and verification by the UM, applicants with any of the above talents will be awarded 10 to 30 additional points for their Admission Examination results.
- 5.4.2 Applicants must submit an on-line application together with all required documents within the application period of **11/01-26/02/2016**. Please log into "Preferential Admission Scheme for Admission Examination candidates" of the Registry's website for details.

5.5 Announcement and Rechecking of Admission Examination results

- 5.5.1 Admission Examination results will be released via the On-line Application System. Notification on Admission Examination results will not be issued by mail.
- 5.5.2 A candidate requesting for rechecking his/her Admission Examination results should be made within 3 working days after the Admission Examination results are announced.
- 5.5.3 The Chief Examiner of concerned subject will re-check the scores for each section, the total score of the answer sheet and any written scripts completed for the examination.
- 5.5.4 Rechecking procedures:
 - 5.5.4.1 Candidates should complete an application form for rechecking Admission Examination results (REG/Form/040) and submit it to the Registry within the specified period. Late applications will not be handled.
 - 5.5.4.2 MOP\$50 is charged for rechecking of each subject of Admission Examination.
 - 5.5.4.3 Candidates will be informed by email of their rechecking results within 5 working days after the application deadline.
 - 5.5.4.4 The rechecked results will be served as the final decision. Further request for rechecking will not be accepted.
 - 5.5.4.5 Under no circumstances will the University disclose the examination papers and answers of a candidate.

5.6 Offer process

- 5.6.1 Offer process for Admission Examination candidates is as follows:
 - 5.6.1.1 Selection of qualified Admission Examination candidates will be based on the candidates' priority of choices, Admission Examination results and the admission quotas of each programme.
 - 5.6.1.2 For some programmes, interviews will also be taken into account.

5.6.2 Offer candidates

- 5.6.2.1 Notification of offer results and documents mentioned below will not be issued by mail.
- 5.6.2.2 All candidates who receive admission offers should download the offer letter, Admission Examination results, debit note for a non-refundable deposit and any other related documents via the On-line Application System.
- 5.6.2.3 Candidate who receive an admission offer should follow the admission procedures as stipulated in the On-line Application System and offer letter to confirm acceptance.
- 5.6.2.4 Offer candidates are required to pay a non-refundable deposit when they receive their admission offer. The deposit will be used to offset part of the tuition fee payable for that academic year when the applicant has completed registration. Refund of the said payment will only be considered under one of the following special circumstances and requests should be submitted to the Registry before the commencement of classes in the first semester of the new academic year:
 - 5.6.2.4.1 The applicant does not qualify for admission when he/she fails to meet the University's entrance requirements of the programmes applied. Applicants should submit supporting documents to the Registry.
 - 5.6.2.4.2 There is an insufficient number of candidates to launch a course/programme.
- 5.6.2.5 If candidates fail to confirm acceptance and settle the non-refundable deposit within the prescribed period as printed on the offer letter, the offer of admission will be cancelled.
- 5.6.2.6 Offer candidates will be requested to provide certified true copies of documents stated in the "Offer of Admission". Candidates may choose to submit originals of documents requested, or present the originals and copies for certification by the Registry. Offer candidates who fail to produce the required documents for verification will be disqualified from admission and subsequent enrolment in the University.
- 5.6.2.7 All documents submitted will not be returned.
- 5.6.2.8 Candidates who receive an offer cannot change programme of study.

5.6.3 Rejected candidates

- 5.6.3.1 Notification of rejection results will not be issued by mail.
- 5.6.3.2 If the initial phase of the admission process is finished and there is still admission availability, the University will arrange a second phase admission. Should there be one, further notice will be posted on Registry's website of "Undergraduate Admission" in late June 2016.

5.7 Summer Bridge Programme

- 5.7.1 Except for Faculty of Law programmes, offered candidates with E101 (English I) scores below 500 shall be required to take and pass the Summer Bridge Programme, before admission can be confirmed.
- 5.7.2 Classes will be tentatively scheduled from 4 to 29 July, 2016.
- 5.7.3 The programme fee will be announced later on Registry's website of "Undergraduate Admission". Upon offer of admission, this fee will be settled together with the non-refundable deposit. All fees paid will not be refunded.
- 5.7.4 Students who fail to complete and pass this programme will be disqualified from admission and all fees paid will not be refunded.

5.8 Admission process

- 5.8.1 Candidates who are offered admission shall submit the original and a copy, certified or otherwise, of their academic documents to the Registry for examination no later than the date stated on the offer letter. Failure to produce originals shall result them in being disqualified from admission.
- 5.8.2 Students who have confirmed acceptance are required to download registration information and activate student account according to the scheduled period via the On-line Application System.

5.8.3 Important dates to note for Admission Examination

Date	Description
11/01 ~ 03/02/2016	▪ Application period for exemption from taking particular Admission Examination subjects (All paper applications must be submitted to the Registry's office)
11/01 ~ 19/02/2016	▪ Application period for Admission Examination (All applications must be submitted via On-line Application System)
11/01 ~ 26/02/2016	▪ Application period for Preferential Admission Scheme for Admission Examination (All applications must be submitted via On-line Application System)
01 ~ 10/04/2016	▪ Download Admission Examination permit via On-line Application System
08 ~ 10/04/2016	▪ 2016/2017 Admission Examination
First to second week of May	▪ Interview period for programmes that require interview
First week of June	▪ Announcement of Admission Examination results and offer results via On-line Application System
First to second week of June	▪ Candidates who receive admission offers are required to download offer of admission, Admission Examination results, debit note for non-refundable deposit and related documents via the On-line Application System ▪ Return the "Statement of Acceptance" for admission confirmation within the specified period
04 ~ 29/07/2016	▪ Summer Bridge programme

Date	Description
(Tentative)	
Second week of July	▪ New students are required to download registration information via On-line Application System
Third to fourth week of July (Tentative)	▪ Payment period of the tuition fee for first semester of academic year 2016/2017 and other fees
Third week of July to first week of August	▪ New students submit all required documents and medical examination reports in order to validate the offer of admission and to complete registration procedures
13 ~ 14/08/2016	▪ New students move in Residential Colleges
15 ~ 19/08/2016	▪ New Student Orientation
22/08/2016	▪ Commencement of class for 2016/2017 academic year

6. University of Macau Lotus Scholarship for Admission Examination

- 6.1 Candidates with outstanding performance in the Admission Examination will be granted the above Scholarship and they do not need to apply therefor. The awardees will first be notified by phone and then in writing on the publication of the Admission Examination results. Please refer to the Registry's website of "Undergraduate Admission" for details.
- 6.2 Scholarship selection is made based on a candidate's Admission Examination result, not including the additional marks added through Preferential Admission Scheme.
- 6.3 All eligible candidates must have sat for the Admission Examinations. Candidates who have been exempted from taking particular Admission Examination subject(s) will not be eligible for selection of University of Macau Lotus Scholarship for Admission Examination.
- 6.4 All eligible candidates must be registered students of the current year.

7. Direct Admission

- 7.1 Applicants with any of the following qualifications may apply to bachelor programme by direct admission.
- 7.1.1 "Concurso Nacional de Acesso ao Ensino Superior" (NAES) examination (Only for admission to Bachelor of Law - Portuguese Language Five-year Evening Programme)

Application requirements	Required academic documents
7.1.1.1 <ul style="list-style-type: none"> ▪ Grade 12 or equivalent graduates; and ▪ "Concurso Nacional de Acesso ao 	1) Copies of certificate(s) and academic transcripts for grade 12

Ensino Superior" examination results.	or equivalent in secondary school; and 2) Copies of "Concurso Nacional de Acesso ao Ensino Superior" certificates and results.
7.1.1.2 <ul style="list-style-type: none"> Candidates currently studying in grade 12 or equivalent; and Candidates who have applied for the "Concurso Nacional de Acesso ao Ensino Superior" examination. 	1) Copies of certificate(s) and academic transcripts for the first semester of grade 12 or equivalent in secondary school; and 2) Copies of examination permit and results of "Concurso Nacional de Acesso ao Ensino Superior".

7.1.2 Hong Kong Advanced Level Examination (HKALE)

Application requirements	Required academic documents
7.1.2.1 <ul style="list-style-type: none"> Form 7 or equivalent graduates; and Obtained Grade E or above in the following subjects of HKALE: <ul style="list-style-type: none"> 2 Advanced Level subjects; and 1 Advanced Supplementary (AS) Level subject in English or Chinese language subject (according to which language is used as the medium of instruction in the programme applied for). 	1) Copies of certificate(s) and academic transcripts for Form 7 or equivalent in secondary school; and 2) Copies of HKALE results.
7.1.2.2 <ul style="list-style-type: none"> Form 7 or equivalent graduates; and Obtained Grade E or above in the following subjects of HKALE: <ul style="list-style-type: none"> 1 Advanced Level subject; and 3 Advanced Supplementary (AS) Level subjects including English or Chinese language subject (according to which language is used as the medium of instruction in the 	

programme applied for).	
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7.1.3 Hong Kong Diploma of Secondary Education (HKDSE)

Application requirements	Required academic documents
<p>7.1.3.1</p> <ul style="list-style-type: none">Grade 12 or equivalent graduates; andObtained the following results in HKDSE in one sitting:<ul style="list-style-type: none">↪ Level 3 or above in English Language;↪ Level 3 or above in Chinese Language;↪ Level 2 or above in Mathematics;↪ Level 2 or above in Liberal Studies;↪ Level 3 or above in one elective subject.For applicants to Faculty of Science and Technology, applicants must have obtained Level 3 or above in the elective subject of Physics.For applicants to Faculty of Health Sciences, applicants must have obtained Level 3 or above in the elective subject of Chemistry.	<p>1) Copies of certificate(s) and academic transcripts for Grade 12 or equivalent in secondary school; and</p> <p>2) Copies of HKDSE results.</p>
<p>7.1.3.2</p> <ul style="list-style-type: none">Candidates currently studying in Grade 12 or equivalent; andCandidates of HKDSE who are going to obtain the following results:<ul style="list-style-type: none">↪ Level 3 or above in English Language;↪ Level 3 or above in Chinese Language;↪ Level 2 or above in Mathematics;↪ Level 2 or above in Liberal Studies;↪ Level 3 or above in one elective subject.For applicants to Faculty of Science and Technology, applicants must obtain Level 3 or above in the elective subject of Physics.	<p>1) Copies of academic transcripts for the first semester of Grade 12 or equivalent in secondary school; and</p> <p>2) Copies of examination permit and results of HKDSE.</p>

- For applicants to Faculty of Health Sciences, applicants must obtain Level 3 or above in the elective subject of Chemistry.

7.1.4 General Certificate of Education (GCE)

Application requirements	Required academic documents
<p>7.1.4.1</p> <ul style="list-style-type: none"> ▪ Grade 12 or equivalent graduates; and ▪ Grade E in 3 Advanced Level subjects (not including English/Chinese subject). ▪ For applicants to Faculty of Science and Technology, the above mentioned subjects must include Physics. ▪ For applicants to Faculty of Health Sciences, the above mentioned subjects must include Chemistry. 	<p>1) Copies of certificate(s) and academic transcripts for Grade 12 or equivalent in secondary school; and</p> <p>2) Copies of GCE results.</p> <p>Upon submission of online application, the required GCE results should all be available. Otherwise, the application will not be processed.</p>

7.1.5 International Baccalaureate Diploma

Application requirements	Required academic documents
<ul style="list-style-type: none"> ▪ Successfully completed the International Baccalaureate Diploma Programme Curriculum and awarded the International Baccalaureate Diploma. 	<p>Copies of official transcript showing all IB courses and grades completed and IB certificate.</p>

7.1.6 Unified Examination Certificate (UEC)/"Sijil Tinggi Persekolahan Malaysia (STPM)", Malaysia

Application requirements	Required academic documents
<p>7.1.6.1</p> <ul style="list-style-type: none"> ▪ Completion of UEC; and ▪ Passes in Grade C or above in at least 6 subjects. ▪ For applicants to Faculty of Science and Technology, the above mentioned subjects must include Physics. ▪ For applicants to Faculty of Health Sciences, the above mentioned subjects must 	<p>1) Copies of certificate(s) and academic transcripts for Grade 12 or equivalent in secondary school; and</p> <p>2) Copies of STPM/UEC results.</p>

include Chemistry.		
7.1.6.2	<ul style="list-style-type: none"> Completion of STPM; and Passes in Grade C or above in at least 3 subjects, other than language subjects. For applicants to Faculty of Science and Technology, the above mentioned subjects must include Physics. For applicants to Faculty of Health Sciences, the above mentioned subjects must include Chemistry. 	
7.1.6.3	<ul style="list-style-type: none"> English Language Qualification MUET Band 4 (Aggregated Score: 180-219); or SPM English Language Grade C or above; or STPM English Language Grade C or above; or UEC-Senior English Language Grade B4 or above. 	

7.1.7 General Scholastic Ability Test (GSAT), Taiwan

Application requirements		Required academic documents
7.1.7.1	<ul style="list-style-type: none"> Currently studying in Grade 12 or equivalent graduates; and Obtained the following GSAT results: <ul style="list-style-type: none"> English subject result at "Good Standard" or above; and Four other subjects taken including Chinese and Mathematics at "Average Standard" or above. For applicants to the Faculty of Science and Technology and Faculty of Health Sciences, the Mathematics and Science subjects at "Good Standard" or above. 	1) Copies of certificate(s) and academic transcripts for Grade 12 or equivalent in secondary school; and 2) Copies of GSAT results.

7.1.8 Advanced Subjects Test (AST), Taiwan

Application requirements	Required academic documents
<p>7.1.8.1</p> <ul style="list-style-type: none"> ▪ Grade 12 or equivalent graduates; and ▪ Obtained the following AST results: <ul style="list-style-type: none"> ☞ English subject result at “Good Standard” or above; and ☞ Four other subjects taken including Chinese and Mathematics at “Average Standard” or above. ☞ For applicants to the Faculty of Science and Technology, the Mathematics and Physics subjects at “Good Standard” or above. ☞ For applicants to the Faculty of Health Sciences, the Mathematics and Chemistry subjects at “Good Standard” or above. 	<ul style="list-style-type: none"> 1) Copies of certificate(s) and academic transcripts for Grade 12 or equivalent in secondary school; and 2) Copies of AST results.
<p>7.1.8.2</p> <ul style="list-style-type: none"> ▪ Candidates currently studying in Grade 12 or equivalent; and ▪ Obtained the following AST results: <ul style="list-style-type: none"> ☞ English subject result at “Good Standard” or above; and ☞ Four other subjects taken including Chinese and Mathematics at “Average Standard” or above. ☞ For applicants to the Faculty of Science and Technology, the Mathematics and Physics subjects at “Good Standard” or above. ☞ For applicants to the Faculty of Health Sciences, the Mathematics and Chemistry subjects at “Good Standard” or above. 	<ul style="list-style-type: none"> 1) Copies of certificate(s) and academic transcripts for the first semester of Grade 12 or equivalent in secondary school; and 2) Copies of AST results.

7.1.9 Associate degree, higher diploma or bachelor programme

Application requirements	Required academic documents
7.1.9.1 ▪ Graduates of an associate degree, higher diploma or bachelor programme.	Copies of certificate and official transcript showing all courses and grades completed in an associate degree, higher diploma or bachelor programme.
9.2 ▪ Potential graduates of an associate degree, higher diploma or bachelor programme.	Copies of official transcript showing all courses and grades completed in an associate degree, higher diploma or bachelor programme.

7.1.10 Other qualifications:

Application requirements	Required academic documents
7.1.10.1 ▪ Grade 12 or equivalent graduates; and ▪ Qualifications that are acceptable for admission to bachelor programme in universities outside Macao.	1) Copies of certificate(s) and academic transcripts for Grade 12 or equivalent in secondary school; and 2) Copies of public examinations results; and 3) Copies of official offer letter issued by a recognized tertiary institution; and 4) An explanation of your country's education system.
7.1.10.2 ▪ Grade 12 or equivalent graduates; and ▪ Currently enrolled in a bachelor programme in other recognized tertiary educational institution.	1) Copies of certificate(s) and academic transcripts for Grade 12 or equivalent in secondary school; and 2) Official testimonial issued by a recognized tertiary institution and copies of official transcript showing all courses and grades completed in a bachelor programme.

7.2 English requirement

7.2.1 Students applying for a programme with English as the main teaching medium have to attend an interview to evaluate the applicant's English proficiency for admission. Applicants who have attained the following results may be exempted from the said interview:

- Test of English as a Foreign Language (TOEFL)
 - ↳ Paper-based test: a minimum score of 550; or
 - ↳ Computer-based test: a minimum score of 213; or
 - ↳ Internet-based test: a minimum score of 80; or
- a Band 6.0 or above in International English Language Testing System (IELTS); or
- Grade C or above in International General Certificate of Secondary Education (IGCSE) English subject.

7.2.2 For applicants applying by Direct Admission, the English subject requirement can be substituted by the TOEFL or IELTS results as stated in 7.2.1.

7.3 Applicants who fail to meet the above-mentioned application requirements as stated in 7.1, during the application period, will be disqualified for admission.

7.4 Offer process

7.4.1 Admission selection will be based on the applicant's choices of programmes and each programme's admission quotas.

7.4.2 Assessment of admission will only be made on the academic documents submitted along with the on-line application.

7.4.3 For some programmes, an interview will also be taken into account.

7.5 Offer candidates

7.5.1 Notification of offer results and documents mentioned below will not be issued by mail.

7.5.2 All candidates who receive admission offers should download the offer letter, debit note for a non-refundable deposit and any other related documents via the On-line Application System.

7.5.3 Candidates who receive admission offers should follow the admission procedures as stipulated in the On-line Application System and offer letter to confirm acceptance.

7.5.4 Offer candidates are required to pay a non-refundable deposit when they receive their admission offer. The deposit will be used to offset part of the tuition fee payable for that academic year when the applicant has completed registration. Refund of the said payment will only be considered under one of the following special circumstances and requests should be submitted to the Registry before the commencement of classes in new academic year:

- 7.5.4.1 The applicant does not qualify for admission when he/she fails to meet the University's entrance requirements of the programmes applied. Applicants should submit supporting documents to the Registry.

7.5.4.2 There is an insufficient number of candidates to launch a course/programme.

7.5.5 If candidates fail to confirm acceptance and settle the non-refundable deposit within the prescribed period as printed on the offer letter, the offer of admission will be cancelled.

7.5.6 Offer candidates will be requested to provide certified true copies of documents stated in the "Offer of Admission". Candidates may choose to submit originals of documents requested, or present the originals and copies for certification by the Registry. Offer candidates who fail to produce the required documents for verification will be disqualified from admission and subsequent enrolment in the University.

7.5.7 All documents submitted will not be returned.

7.5.8 Candidates who receive an offer cannot change programme of study.

7.5.9 According to the "Regulations of the Programmes of the University of Macau", students must withdraw from their original universities before transferring to the University of Macau.

7.6 Rejected candidates

Notification of rejection results will not be issued by mail.

7.7 Admission process

7.7.1 Candidates who are offered admission shall submit the original and a copy, certified or otherwise, of their academic documents to the Registry for examination no later than the date stated on the offer letter. Failure to produce originals shall result them in being disqualified from admission.

7.7.2 Students who have confirmed acceptance are required to download registration information and activate student account according to the scheduled period via the On-line Application System.

7.8 Important dates to note for Direct Admission

Date	Description
01 ~ 29/04/2016	▪ Application period for Direct Admission (All applications must be submitted via On-line Application System)
Third week of June	▪ Candidates who receive admission offers are required to download offer of admission, debit note for non-refundable deposit and related documents via the On-line Application System ▪ Return the "Statement of Acceptance" for admission confirmation within the specified period
Second week of July	▪ New students are required to download registration information via the On-line Application System
Third to fourth week of July (Tentative)	▪ Payment period of the tuition fee for first semester of academic year 2016/2017 and other fees
Third week of July to first week of August	▪ New students submit all required documents and medical examination reports in order to validate the offer

Date	Description
	of admission and to complete registration procedures
13 ~ 14/08/2016	▪ New students move in Residential Colleges
15 ~ 19/08/2016	▪ New Student Orientation
22/08/2016	▪ Commencement of class for 2016/2017 academic year

8. Mainland China Students Admission

8.1 Application requirement:

- 8.1.1 For Mainland China students who will take the College Entrance Examination of the current year

Mainland China students who will take the College Entrance Examination of the current year should refer to our Registry's website of "Mainland China Students" for further information.

- 8.1.2 For Mainland China students who are currently studying in Macao's other institutions of higher education:

8.1.2.1 The candidate must be studying in a 4-year bachelor's programme at a local recognized higher education institution; and

8.1.2.2 The cumulative Grade Point Average (GPA) should be 3.3 or above on a 4.0 scale; and

8.1.2.3 The applicant's College Entrance Examination score (during his/her admission year to year one of the other local higher education institution) must reach the admission standard of key universities in China.

8.2 English requirement:

Applicants who meet the above-mentioned application requirements as stated in 8.1.2, must also meet the English requirements as listed in below:

- 8.2.1 The English subject result of the College Entrance Examination in the admission year to year one of other local higher education institution must reach 110 or above (based on 150 as the highest mark, the other grading system will be proportionally adjusted); or

- 8.2.2 Test of English as a Foreign Language (TOEFL)
- ↳ Paper-based test: a minimum score of 550; or
 - ↳ Computer-based test: a minimum score of 213; or
 - ↳ Internet-based test: a minimum score of 80; or

- 8.2.3 A Band 6.0 or above in International English Language Testing System (IELTS).

8.3 Required documents:

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- 8.3.1 The latest academic transcript showing all courses and grades completed in a bachelor programme; and
 - 8.3.2 A testimonial issued by the applicant's current higher education institution; and
 - 8.3.3 The College Entrance Examination result (in the applicant's admission year to year one of the local higher education institution); and
 - 8.3.4 The English result of College Entrance Examination, TOEFL or IELTS.

9. Admission Policy for Students with Disabilities

With the purpose of providing equal education opportunities for students with disabilities, the University has devised the "Admission Policy for Students with Disabilities". When applying for admission to the University, applicants with a disability may choose to disclose their conditions on a voluntary basis and request a special arrangement for admission assessment. Please visit Registry's website of "Admission Policy for Students with disability" for details or Student Affairs Office's website of "Student Disability Support" for information on disability support.

10. Tuition and Other Fees

Please visit Registry's website of "Undergraduate Admission" for details.

11. Deferment of Study

- 11.1 Non-registered new students can apply for deferment of study for no more than one academic year. Such applications will only be permitted for medical reasons and/or exceptional cases with sound justification. For medical reasons, students are required to submit current medical certificates issued by hospitals. For exceptional cases with sound justification, students are required to specify the reason and submit written certifications at the time of application. Application for deferment should be made before the specified date.
- 11.2 Non-registered new students must fulfil all the conditions stated in their offer letters and submit the required deposit before they can become eligible to apply for deferment of study.
- 11.3 Non-registered new students are not permitted to transfer to another major/programme when they apply for resumption of study.

12. Credit Transfer and Course Exemption

- 12.1 According to the "Regulations of the Programmes of the University of Macau", credits obtained by completing the courses of degree programmes at other higher education institutions may be transferred through application for course exemption after students have been admitted to University of Macau programmes.
- 12.2 The limit on the number of credits that can be transferred to a University of Macau programme is one-third of the total credits required to complete the programme of study.
- 12.3 Applications for course exemption must be submitted to the Dean of the faculty or the

head of the independent academic unit concerned for approval. Applications must be accompanied by supporting documents to show that equivalent courses have been taken elsewhere.

13. Cancellation of Programmes

- 13.1 The University reserves the right not to offer any programmes, or to suspend student intake temporarily, if supervening conditions require.
- 13.2 In case of programme cancellation, the deposit and tuition fees paid will be refunded.

14. Termination of Application or Study

- 14.1 The University reserves the right to terminate any application:
 - 14.1.1 that is found to include untrue and/or incorrect information that would affect the qualification requirements stipulated by the University;
 - 14.1.2 that contains forged academic or related documents; or
 - 14.1.3 where the applicant displayed any misconduct during the admission or examination process.
- 14.2 Should any of the above cases occur, the applicant should take full responsibility for all consequences.
- 14.3 In consideration of adequate utilization of admission quota, if an applicant has accepted our undergraduate admission offer but still accepts another offer by other admission channels, the University reserves the right to terminate his/her admission.
- 14.4 For disqualified applications, all documents submitted and fees paid will not be returned.
- 14.5 For applicants found to have provided any untrue or incorrect application, the University reserves the right to reject his/her application thereafter.
- 14.6 For the purposes established in article 25 the Decree No. 11/91/M, of February 4, registered students of University of Macau cannot concurrently register/enrol in any other higher education programme(s) in Macao, including programme(s) offered by the University of Macau. If students are found to be registered for more than one higher education programme, the University of Macau reserves the right to terminate his/her application or study at any time.

15. Personal Identification

- 15.1 Applicants must hold valid personal identification documents for admission: Macao I.D. card for local students or passport for non-local applicants.
- 15.2 Where applicants hold more than one identification document, they can only use one throughout the whole admission process. For instance, if an applicant holds both Macao and Hong Kong identity cards, he/she can only choose to use his/her Macao ID number or Hong Kong ID number to be the registered ID.

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- 15.3 Non-local applicants must be aware that the identification documents held must comply with the Law of Macao to apply for "Special Authorization to Stay" for study purpose in Macao. For details, please refer to the Immigration Department of Macao Public Security Police Force's website.

16. Application Procedures

16.1 On-line Application System

16.1.1 The University will only accept on-line application via the On-line Application System.

16.1.2 Create an application account

16.1.2.1 Applicants must have an email address and register as a new user before they can submit an application.

16.1.2.2 Applicants who have successfully registered the new account will receive a login number (e.g. 160xxxxxx) and a password by SMS message and email. For the purpose of observing the privacy of their admission and personal data, it is imperative that the applicants not disclose their login number and password to anybody else as these will be used to access the On-line Application System for application, the Admission Examination permit, Admission Examination results, offer letter, debit notes for tuition fees and registration information for new students.

16.1.2.3 If you fail to receive the email within 2 days, please contact the Registry by phone during office hours.

16.1.3 Change of information

16.1.3.1 Upon registration as a new user, applicants can update any information as well as programme choice whether or not the applicant has submitted his/her application or paid the application fee.

16.1.3.2 No further revision or change of programme choice may be accepted after 23:59 on the date of the application deadline.

16.2 Application documents

16.2.1 Applicants must scan and upload the following documents to the On-line Application System:

16.2.1.1 Identification document (both sides on one A4 paper in PDF format);

16.2.1.2 Photo (only applicable for Direct Admission applicants; passport size photo in JPEG/GIF/PNG format preferably in JPEG file with 300dpi, with no border and white background);

16.2.1.3 Required academic documents as specified in point 5.1 and 7.1. Documents to be uploaded in each field can be more than one page. Please scan all pages continuously in black & white colour format and save in a single PDF file (less than 5MB) before uploading.

- 16.2.1.4 Total size for all uploaded documents should not be greater than 10MB.
 - 16.2.2 All application documents must be submitted within the application period. Otherwise, the application will not be processed.
 - 16.2.3 The University reserves the right to request the applicant to provide proof and related academic documents for admission. The University also reserves the right to verify the documents submitted.
 - 16.2.4 If the academic documents provided are not in Chinese/English/Portuguese, applicants must submit an English version of certificate(s)/testimonial(s) and academic transcript(s) issued by the respective university/institution. Applicants may also submit translated English certified true copies of the documents.
- 16.3 Application number
- 16.3.1 After the application fee is settled, an acknowledgment email with an application number (format: AP-B6-XXXX-X) will be sent to you by SMS message and email. Your on-line application is complete upon receipt of this application number.
 - 16.3.2 If you do not receive any acknowledgment by SMS or email 2 days after fee payment, please contact Registry by email at admission@umac.mo.

Academic Regulations and Rules

ACADEMIC REGULATIONS AND RULES

Regulations of the Programmes of the University of Macau

(Approved by the University Council on 25 June 2014)

**Article 1
Academic Year**

An academic year covers the period from August to July. Each year consists of two semesters, plus an optional intensive summer term for needed programmes. Each semester consists of approximately sixteen weeks of scheduled classes, including examinations.

**Article 2
Medium of Instruction**

The mediums of instruction are English, Chinese and Portuguese, with English as the main medium of instruction.

**Article 3
Programme Operating Regulations**

1. Bachelor's Degree Programmes
 - 1) The normal period of study is four years;
 - 2) Students are required to complete the minimum number of credits specified by their degree programme. The normal range of credit requirement is 132 to 144.
2. Master's Degree Programmes
 - 1) The normal period of study is two years;
 - 2) They are operated in three modes of study:
 - (1) Students are required to complete a required number of courses and to write a thesis;
 - (2) Students are required to complete a required number of courses and to write an optional thesis; this thesis may be substituted by additional coursework; and
 - (3) Students are required to complete a required number of courses only;
 - 3) Students who choose any mode of study with a thesis must complete all the required coursework and fulfil other prescribed requirements in order to be graduated from the programme;
 - 4) An examination committee proposed by the academic unit concerned and approved by the Senate is responsible for the assessment of the thesis and oral defence.
3. Doctor of Philosophy Programmes
 - 1) The normal period of study is three to five years;
 - 2) Doctor of Philosophy (PhD) Programmes are research-based programmes. A PhD student is required to write a thesis which makes an original contribution to the academic discipline concerned;
 - 3) The academic unit may require students to complete specific courses as part of the admission requirements;
 - 4) A PhD student must pass a qualifying examination and the PhD thesis proposal assessment;

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- 5) An examination committee proposed by the academic unit concerned and approved by the Senate is responsible for the assessment of the thesis and oral defence. The Rector, or his/her representative, shall be the chairperson of the examination committee.
 4. Other Programmes
 - 1) The duration of the Bacharelato Programmes is three years;
 - 2) All academic units of the University of Macau may offer non-degree programmes. The programme operating regulations must be consistent with the University of Macau regulations concerned.

Article 4

Students' Application and Registration

1. Students must fulfil the admission requirements stated in the regulations concerned or pass the related examinations when applying for admission to different degree or certificate programmes of the University.
2. All students admitted to the University of Macau will be considered as registered students upon payment of tuition fees and submission of all required documents set by the University of Macau within the specified period. All returning students will be considered as registered students upon payment of tuition fees and other fees set by the University of Macau within the specified period.
3. Registration records of all undergraduates and postgraduates are managed by the Registry and Graduate School respectively.

Article 5

Students' Records

1. Status records of all undergraduates and postgraduates regarding registration, graduation, suspension, withdrawal, deferment and discontinuation are managed by the Registry and Graduate School respectively.
2. All registered students must complete course enrolment.
3. The course and academic records of the undergraduates and postgraduates are managed by the Registry and Graduate School respectively. All student academic records will be printed on transcripts issued by the University.
4. The academic year and semester in which the courses are taken and the grades obtained after assessment shall be clearly listed in the students' academic records.

Article 6

Transfer from Other Universities

1. Students of other universities transferring to the University of Macau must fulfil the conditions and requirements for transfer admission stated in the Admission Regulations before they are admitted to the University of Macau.
2. Students must withdraw from their original universities before transferring to the University of Macau.

Article 7
Credit Transfer and Course Exemption

1. Credits obtained by completing the courses of degree programmes at other tertiary education institutions may be transferred through application for course exemption after students have been admitted to programmes of the University of Macau.
2. Applications for course exemption must be submitted to the Dean of the faculty or the head of the independent academic unit concerned for approval and accompanied by supporting documents to show that equivalent courses have been taken elsewhere.
3. The normal limit on the number of credits that can be transferred to a programme of the University of Macau is one-third of the total credits required to complete the programme of study.

Article 8
Course Waiver

1. Students may apply for course waiver. Applications must be submitted with supporting documents to the Dean of the faculty or the head of the independent academic unit concerned for approval.
2. If an application for course waiver is approved, the student is not required to take that course but the credits for that course will not be granted, and the student will be required to take a different course in order to fulfil the credit requirement.

General Rules Governing PhD Programmes

(Revised and approved by the Senate on 08 July 2016)

A. ADMISSION

1. Admission is governed by the University Admission Rules. Applicants must satisfy the University admission requirements, and any additional requirements imposed by the academic unit they intend to enter.
2. According to Article 25 of Decree no. 11/91/M of 4 February 1991, students should not enrol/register in any other higher education programme in Macao in the same academic year.
3. A student of the University is required to observe the General Rules, and those rules and procedures which govern admission requirements, examinations, fees and charges.

B. GENERAL

1. The University offers full-time programmes of study leading to the degrees of Doctor of Philosophy (PhD).
2. Students will be awarded the appropriate PhD degree provided that they have:
 - a. undertaken a programme of study for a period normally within the normative period of study; and
 - b. completed the total credit units of courses as stated in the regulations and rules for that degree; and
 - c. passed the prescribed examinations; and
 - d. fulfilled minimum coursework graduation requirements set by the academic units; and
 - e. written a thesis and passed the oral defence; and
 - f. paid the prescribed fees; and
 - g. fulfilled the requirements of the regulations and rules of the University.
3. Each individual academic unit may issue special rules applying to specific PhD programmes, within the general framework of the present General Rules. However, any standard for qualification requirements, performance of candidates and/or else, as provided for in the present General Rules, may not be set to a lower or less strict level by the special rules issued for any programme by the relevant academic unit.
4. Students must register in a programme of study on the specified dates in any one academic year, with compulsory attendance at classes.
5. According to Article 31.1 of Decree no. 11/91/M of 4 February 1991, the maximum period of studies will be 150% of the normative period of the programme. For working students, it will be two times the normative period of studies. Students who cannot complete the programme within the periods above will be required to discontinue their studies.

C. ACADEMIC YEAR

An academic year covers the period from August to July. Each year consists of two semesters.

D. REGISTRATION

1. A student is normally registered as a PhD student at his/her initial registration.
2. New students will be considered registered students upon proper completion and submission of all registration materials to the Graduate School with tuition fees settled, while returning students will be considered registered students upon settlement of tuition fees.
3. A student must register in the name which appears in his/her personal identification documents.
4. Student Cards
 - a. All students will be issued with student cards (UM Campus Card).
 - b. The student card is a student's personal identification document. It is not transferable.
 - c. In case of loss or damage of a student card, a student should apply for a replacement. Application forms for such replacement are obtainable from the Graduate School's homepage. A card replacement fee will be charged to the student.
 - d. The student card will be renewed once the student achieves the PhD candidacy, no administration fee will be charged to student in such a case.
 - e. Students may refer to the 'Rules & Guidelines Governing the Use of UM Campus Card' for further details.
5. Late Registration
 - a. Students may apply for late registration if they cannot complete the process within the scheduled period. Application for late registration should be submitted at least three working days before the scheduled registration period by completing application forms obtained from the Graduate School's homepage.
 - b. Late registration fees will be charged to students who do not apply for late registration three working days before the scheduled registration period. Students who have applied for late registration but failed to complete the process within the approved period will also be charged a late registration fee.
 - c. Late registration can be considered once only.
 - d. Apart from medical reason, registration can only be delayed for at most five calendar days after commencement of classes. If late registration is anticipated for medical reasons, a medical certificate should be attached to the student's application for late registration. Applications for registration later than the above period will not be accepted except for medical reasons and other extraordinary circumstances. In such case, late registration application requires the approval of the Dean/Director of the academic unit concerned.
 - e. In any case, students must also make sure that they will still be able to enrol in either course work or thesis in the semester that they register. Otherwise, they will not be considered as an active student and will have to defer their studies.
 - f. The admission offer for students who fail to complete the required registration procedures by the designated deadline will be disqualified.
 - g. Students will not be entitled to register if the non-refundable deposit has not been settled.
6. Double Registration

Students are not permitted to register simultaneously in another programme at the University or any other Higher Education Institution in Macao. If a student is found to be in breach of this rule, he/she will be required to discontinue his/her studies at this University.
7. Students with insufficient academic background may be considered and will be given provisional status. PhD students admitted under provisional status have to complete the additional courses required when they were admitted. Students passing their provisional

status should be officially approved by the Dean/Director of the academic unit concerned, before becoming eligible for the qualifying examination. Academic unit should then inform the Graduate School to update the student status on the following day of the approval of passing the provisional status.

E. COURSE RETAKE

Students may apply for retaking a course. Application form is obtainable at the Graduate School's homepage. The student should obtain the consent of the Dean/Director of the academic unit concerned by securing required signatures. For the credit-based tuition fee scheme, all applications must be approved and the retaking courses must be enrolled before the deadline of the add/drop period. The fees for retaking any courses are calculated based on the credit-based tuition fee scheme.

If a student retakes a course, only the course grade for the latest attempt will appear on the student's transcript.

F. COURSEWORK

1. All PhD students should complete the required coursework. All courses should be completed before the oral defence. A student who does not pass a compulsory course in a second attempt may be required to discontinue his or her studies.
2. **Withdrawal from Individual Courses**
Students may withdraw from an individual course after the course add/drop period on condition that he/she still has at least one course enrolled after the course is withdrawn. When students wish to withdraw from a course after the add/drop period, they should complete and submit an application form, which is obtainable from the Graduate School or can be downloaded from the Graduate School's homepage, to the Graduate School at least 5 working days before the final examination. A 'W' grade will be given to the withdrawn course and the tuition fee for the withdrawn course will not be refunded. Any application submitted after the aforementioned deadline will not be considered.
3. Students should always look carefully at their enrolment records. If they are not sure if their enrolment records are correct, they may seek advice from the academic unit concerned. Students are responsible for following up any updates, errors or omissions.

G. COURSE EXEMPTION

1. Students who have completed equivalent courses in other tertiary education institutions may apply for course exemption to the academic unit concerned before the last day of course add/drop period. In the case of course exemption, credits will be granted to replace the original UM course. Exempted courses will be assigned a grade 'X' and will be shown in the transcript of academic record, but will not be counted towards the GPA.

Applications should be submitted to the respective academic unit and be accompanied by supporting documents, e.g. course outlines, official course descriptions, lecture hours, study plans, course grades etc, showing that the students have passed equivalent courses elsewhere.

2. Students may apply for course exemption for any courses.
3. Course exemptions are considered valid only after they are endorsed by the head of department or programme coordinator and approved by the Dean/Director of the academic unit concerned.

4. The normal limit on the number of credits that can be transferred to a programme is one-third of the total credits required.
5. Any exceptional cases are subject to the endorsement of the Dean/Director of the academic unit concerned and the approval of the Vice Rector (Academic Affairs) via the Graduate School.

H. COURSE WAIVER

1. Students who have not completed equivalent courses in other tertiary education institutions but have attained the knowledge and skills of specific UM courses may apply for a course waiver to the academic unit concerned before the last day of course add/drop period. In the case of course waiver, no credits will be granted, and students will be required to take a related course approved by the head of department or programme coordinator to fulfil the credit requirement. Waived courses will be assigned a grade 'CW' and will be shown in the transcript of academic record, but will not be counted towards the GPA.

Applications must be submitted to the respective academic unit and be accompanied by an explanation for the waiver request and supporting documents (if any). Proof of the acquired competence is required.

2. Students may apply for course waiver for any courses.
3. Course waivers are considered valid only after they are endorsed by the head of department or programme coordinator and approved by the Dean/Director of the academic unit concerned.
4. All exceptional cases are subject to the endorsement of the Dean/Director of the academic unit concerned and the approval of the Vice Rector (Academic Affairs) via the Graduate School.

I. GRADING SYSTEM

1. Grades are awarded according to the following system:

Letter Grades	Grade Points	Percentage	Scale
A	4.0 (Excellent)	97-100	20
		93-96	19
A-	3.7 (Very Good)	88-92	18
B+	3.3	83-87	17
B	3.0 (Good)	78-82	16
B-	2.7	73-77	15
C+	2.3	68-72	14
C	2.0 (Average)	63-67	13
C-	1.7	58-62	12
D+	1.3	53-57	11
D	1.0 (Pass)	50-52	10
F	0 (Fail)	Below 50	Below 10

Definition of Grades

Letter Grade	Definition	Remark
CW	Course Waiver	Assigned to a course that has been waived.
DX	Deferred Result	A temporary grade assigned to the students who ask for a supplementary examination with justifiable reasons.
I	Incomplete	Used when work is necessarily delayed through no fault of the student, such as a medical problem. This grade must be converted to a regular grade by the commencement of the following semester; otherwise it will be converted to 'F'.
P or NP	Pass or Fail	Given to a course where the results are not counted towards the GPA.
T	Audit	Assigned when an auditing student has completed, to the satisfaction of the instructor, the conditions established at registration as an auditing student.
W	Withdrawal	Assigned when a student has withdrawn from a course. The result will not be counted towards the GPA.
X	Course Exempted	Assigned in the case of a course exemption.

2. Except programmes offered by the Faculty of Law, letter grades are official grades.
3. For programmes offered by the Faculty of Law, scales are official grades. Other grades are for reference only.

J. PERIOD OF STUDY

The normative study period of all PhD programmes is 4 years.

K. RESIDENCE REQUIREMENT

1. The normal residence period of a PhD student is 3 years unless with special approval for absence of leave. The minimum residence period is 12 months. The residence requirement will be part of the graduation requirement.
2. A student who is in Macao, except for absences not exceeding 3 weeks continuously and not exceeding 1 month aggregate in an academic year, is deemed to be studying and receiving regular supervision, and provided he/she is also attending courses, if required, is regarded as in residence.
3. A student who is not in Macao is normally regarded as not being in residence. In cases where the student would nevertheless receive adequate supervision on a regular basis while away from Macao, or where the absence from Macao is related to an academic purpose, an application with the endorsement of the supervisor should be submitted to the Faculty GSC Chair concerned for endorsement, and then to the Dean of the academic unit for approval, so as to regard the student as being in residence during that period of absence.
4. A student may also be regarded as being in residence while away from Macao if his/her study programme officially requires him/her to be on exchange to an institution outside Macao or if the student is formally accepted to go on an exchange programme.

Except for periods of approved leave, and except as provided in 2, 3 and 4 above, all PhD students are required to be in residence during their period of study. In any case a student

needs to fulfill the minimum residence requirement of 12 months in Macao. The residence requirement will be part of the graduation requirement.

L. RESEARCH SUPERVISION

1. The Faculty Graduate Studies Committee will administer the appointment of supervisor(s) or temporary supervisor and PhD advisory committees of PhD students.
 - a. The supervisor has the primary responsibility for directing and advising a student throughout his/her study period, especially during the preparation of the thesis.
 - i. Supervisor(s) of a student should be appointed at the admission of a student.
 - ii. Supervisor(s) must submit a written report on the progress of the student to the Faculty Graduate Studies Committee every 6 months.
 - b. The temporary supervisor has the primary responsibility for directing and advising a student during his/her supervision period.
 - i. The temporary supervisor of a student should be appointed at the admission of a student if the student cannot identify the supervisor. The admission of PhD students with temporary supervisor should be considered as exceptional cases only.
 - ii. The temporary supervisor must submit a written report on the progress of the student to the Faculty Graduate Studies Committee every 6 months.
 - iii. The temporary supervisor can only supervise the student for at most one year. Academic unit/a temporary supervisor shall decide whether a student with financial support will receive full or half support of funding when he/she is under the supervision of a temporary supervisor for the first semester. If a student cannot identify the supervisor within the first semester, he/she should only receive half support of funding for one more semester under the temporary supervisor's supervision. If the student cannot identify the supervisor within one year after his/her initial registration, he/she has to be discontinued from the PhD programme.
 - c. The PhD advisory committee is intended to provide additional academic advice to the student during the coursework period, for the qualifying examination, and for the preparation of the thesis proposal.
 - i. Each newly admitted PhD student will be assigned a PhD advisory committee to provide guidance after his/her initial registration.
 - ii. A tailor-made coursework study plan for each individual PhD student will be designed by the Committee. The study plan is a guide to what students have to accomplish in order to complete their programme of studies. Students are advised to consult their study plans during selection of courses for enrolment. They should keep their study plans and any subsequent adjustments for future reference during the course enrolment and for graduation purposes.
 - iii. The committee will also provide advice about the qualifying examination and the thesis proposal, the acceptability of the proposed thesis topic, the appropriateness of the proposed methodology, and the adequacy of the literature search. Upon approval of the student's thesis proposal, the committee will advise the candidate about the preparation of the thesis and assist the supervisor, in monitoring the candidate's progress.
 - iv. The membership of the PhD advisory committee should include the thesis supervisor(s) plus at least one member. The member(s), appointed by the Faculty Graduate Studies Committee, should represent academic disciplines relevant to the thesis topic. When appropriate, the member(s) may be selected from more than one faculty/institute. In addition, the member(s) may be appointed from outside UM if necessary.
2. The appointments of the supervisor(s) and PhD advisory committee of a student are

officially approved by the Faculty Graduate Studies Committee.

3. Changes of the supervisor(s) and/or the membership of the PhD advisory committee can be made upon the approval of the Faculty Graduate Studies Committee.

M. ASSESSMENTS

1. Each PhD student must pass three assessments during his/her study.
2. The three assessments include a qualifying examination, a thesis proposal assessment and a final thesis oral defence examination.
3. The qualifying examination and thesis proposal assessment are administrated by the Faculty Graduate Studies Committee.

N. QUALIFYING EXAMINATION

1. The qualifying examination will assess the ability and background of the student for the enrolled PhD programme.
2. Each faculty/institute will define the form and operation procedures of the qualifying examination according to its own needs.
3. A student must pass the qualifying examination within 2 years after his/her initial registration. Academic units should inform the Graduate School on the following day a student passes the qualifying examination. Unless special approval of an extension of this period from Vice Rector (Academic Affairs) is granted, a student failing to pass the qualifying examination will be discontinued from the enrolled PhD programme. All applications related to extension beyond the stipulated period to pass the qualifying examination should be submitted to the individual Faculty Graduate Studies Committee for consideration. The recommendation of Faculty Graduate Studies Committee will be forwarded to the Vice Rector (Academic Affairs) for approval via the Graduate School.
4. A student who fails the qualifying examination on the first attempt may take the examination again. If the student fails the examination a second time, he/she will be discontinued from the relevant PhD programme.

O. THESIS PROPOSAL ASSESSMENT

1. The thesis proposal assessment will examine the quality of the planned research, ensuring that it meets UM standards.
2. The thesis proposal assessment may be carried out only after the student has passed the qualifying examination.
3. The thesis proposal assessment will include submission of a written proposal from the student and its presentation to an assessment panel. The assessment panel will include a chairperson appointed by the Faculty Graduate Studies Committee (this chairperson should not be a member of the PhD advisory committee), along with the PhD advisory committee members. A student who fails the thesis proposal assessment the first time may take the assessment again. If the student fails the assessment a second time, he/she will be discontinued from the enrolled PhD programme.
4. A student who passes the thesis proposal assessment will be considered as a PhD candidate at the University of Macau.

5. The Faculty Graduate Studies Committee which administered the thesis proposal assessment will submit the passed and fully revised thesis proposal together with the names of the student, supervisor(s) and the PhD advisory committee to the Graduate School for official approval of PhD candidacy.
6. A student must achieve PhD candidacy within 4 years after his/her initial registration at the University of Macau by passing the qualifying examination and thesis proposal assessment. The maximum period for achieving the PhD candidacy will not be extended in general. This policy is independent of UM funding support. Unless special approval of an extension of this period from the Vice Rector (Academic Affairs) is granted, a student failing to achieve PhD candidacy as governed by the above term will be discontinued from the enrolled PhD programme. All applications related to extension beyond the stipulated period to achieve PhD candidacy should be submitted to the individual Faculty Graduate Studies Committee for consideration. The recommendation of Faculty Graduate Studies Committee will be forwarded to the Vice Rector (Academic Affairs) for approval via the Graduate School.
7. A PhD student who would like to extend his/her PhD study period to achieve PhD candidacy should submit the following documents at least one month before the end of the study period to the academic unit concerned:
 - a. a completed application form which can be obtained from the Graduate School's homepage for extension of study period for PhD degree programme;
 - b. a brief qualifying examination & PhD thesis assessment report;
 - c. a proposed plan of research for the extension period.

(b and c should be endorsed by the thesis supervisor before submission.)

P. THESIS FORMAT, SUBMISSION AND PUBLICATION

1. Candidates are advised to study thoroughly and follow strictly the Guidelines Governing the Format of PhD Theses when writing their thesis. Candidates may refer to the Graduate School's homepage (<http://www.umac.mo/grs/>) for details of the said Guidelines.
2. Before a candidate submits a thesis for examination, he/she shall pass one copy of the thesis to the supervisor(s) for assessment. If the supervisor(s) confirm(s) that the thesis is ready for submission, a "thesis submission" form should be completed as endorsement.
3. A candidate shall submit five copies of his/her thesis, together with the "thesis submission" form, to the academic unit concerned. The thesis shall conform in layout, binding and presentation as required by the academic unit concerned.
4. The examination committee shall declare in writing to accept/reject the thesis.
5. If a thesis is rejected by the examination committee, the candidate shall re-submit the thesis following the above mentioned thesis submission procedures within the period as decided by the examination committee. The re-submission deadline shall not exceed the maximum period of study. A candidate shall only re-submit the thesis once only.
6. A candidate must submit properly bound copies of the final version of the thesis approved by the examination committee upon successful completion of the oral defence examination. The exact number of copies of thesis and the submission deadline will be specified by the academic unit concerned.
7. The Library copy of a thesis must be bound by the official contractor appointed by the UM to ensure a uniform appearance of the PhD theses. The bound Library copy must be first sent to the Graduate School for checking before it will be finally housed in the Library.

Candidates can contact the Graduate School for details about the thesis binding arrangements.

8. A candidate must also submit a soft copy of the said thesis to the academic unit concerned for onward transmission to the University Library, in ways and format as determined by the University Library.
9. All PhD theses will be published with the ProQuest UMI Dissertation Publishing. Exceptions would be allowed for special cases with sound justification and proper approval. The University Library will process the thesis publication procedures with the UMI.

Q. EXAMINATION COMMITTEE

1. The examination committee members shall be appointed normally within 30 working days after the thesis is submitted.
2. The candidate shall normally be informed of the official composition of the examination committee within two weeks after the official appointment.
3. The examination committee shall be chaired by the Rector or his/her representative and shall be composed of the supervisor and at least three examiners.
4. The examination committee members shall normally be those who have completed a graduate degree at doctoral level in the relevant discipline and have involved in supervision of theses.

R. ORAL DEFENCE EXAMINATION

1. The oral defence examination is compulsory and shall be held normally within 2 months after the day on which the thesis is officially accepted by the examination committee for oral defence examination.
2. The academic unit concerned shall give the candidate at least one week's notice of the date of oral defence examination.
3. The oral defence examination is an open examination. The PhD candidate shall present the thesis and defend it in front of an examination committee.
4. The oral defence examination shall not take place if it cannot fulfil the criteria stated in the Guidelines on Approval Procedures for PhD Theses and Formation of PhD Oral Defence Examination Committee.
5. Prior to the oral defence examination, the examination committee shall decide the speaking order and method of its members.
6. The thesis presentation session and the question and answer session of an oral defence examination shall not exceed 2 hours.
7. After the thesis presentation and the question and answer session, the examination committee shall discuss and evaluate the candidate's performance. By open ballot voting, the committee shall decide to go into the final resolution deliberation session.
8. Final Resolution Deliberation Session:
 - a. A resolution must be decided by majority vote and open ballot voting with supporting statements. No committee voting member can abstain from voting.

- b. The final resolution of the defence examination shall be delivered as pass (P), conditional pass (CP) or fail (NP).
 - i. Pass: The student has to submit the final copy to academic unit within one week.
 - ii. Conditional pass, subject to minor revisions: Revised version to be assessed by supervisor(s) only/all Examination Committee Members. The student has to submit the final copy to the academic unit within 3 months from the date of the oral defence examination.
 - iii. Conditional pass, subject to major revisions: The student has to take the oral defence examination again within a year.
 - iv. Fail: The student has to be terminated from the PhD programme.
9. The academic unit concerned shall submit the final thesis together with the student's graduation proposal to the Graduate School for graduation check within one month after the final thesis is submitted to the academic unit and the graduation requirements are fulfilled by the student.
10. The oral defence examination and the resolution-deliberation discussions must be put on record. A proposal for the award of degrees shall be submitted to the Senate for approval. The minutes of the oral defence examination shall record the voting results and comments on the oral defence.

S. APPEAL AGAINST RESULTS

No appeal against the final academic decision of an examination committee is permitted.

T. TUITION FEE & CONTINUOUS THESIS SUPERVISION FEE

For students admitted from academic year 2014/2015 onwards, a credit-based tuition fee scheme will be adopted. The tuition fee is charged based on the number of credits enrolled and students should settle their tuition fees before the deadline set by the University. Please refer to the "Fees and Charges" for the relevant charges.

The Continuous Thesis Supervision Fee is charged per semester according to the credit-based tuition fee scheme. Students are required to pay this fee upon fulfilling and settling the charges of the required number of credits for thesis.

U. GRADUATION

1. Graduation and Issue of Graduation Certificates

A student who has completed the coursework of a Master programme but does not manage to accomplish the PhD part could still be awarded the relevant Master's degree provided that he/she has successfully completed Master's thesis writing and oral defence.

Upon successful completion of studies, thesis writing and oral defence and with the approval of the Senate, academic awards are conferred on students at a congregation.

Students eligible for academic awards for that particular year will be notified in writing of the details regarding the congregation, the collection of academic dress, and the award certificate.

The graduation certificate will be issued once only, as there will be no second printing. **Students are therefore strongly advised to ensure the safe-keeping of this important document.**

The University reserves the right to withhold conferment of an award on a student who has outstanding fees owed to the University, or who has otherwise failed to discharge all obligations towards the University.

V. DISCONTINUATION OF STUDIES

1. A student shall be required to discontinue studies under the following circumstances:
 - a. A student who has failed a compulsory course more than once.
 - b. A student who has failed a second qualifying examination.
 - c. A student who has failed a second thesis proposal assessment.
 - d. A student (under the temporary supervisor's supervision) who cannot identify the supervisor within 1 year.
 - e. A student who cannot pass the qualifying examination within 2 years or achieve PhD candidacy within 4 years.
 - f. A student who cannot or is not in a position to complete his/her course of study within the maximum study period.
 - g. A student whose thesis has been rejected by the examination committee for a second time.
 - h. A student who has failed the oral defence examination.
2. Students whose studies have been discontinued due to unsatisfactory academic performance or who have exceeded their maximum study period cannot register as a student of the University within the subsequent three years, unless special approval or authorisation has been granted by the party concerned.

Discontinued students returning within the subsequent three years

For students who have been discontinued from their studies due to unsatisfactory academic performance, they should apply for re-admission and such application must be approved by the Vice Rector (Academic Affairs) with the recommendation from the Dean/Director of the academic unit concerned.

For students who have been discontinued from their studies by exceeding the maximum study duration, they should apply for regular admission as new students and such application must be authorised by the government on the recommendation of the University authority.

Discontinued students returning after three years

Three years after the discontinuation, regardless of the reason for discontinuation, they should apply for regular admission and be admitted as new students following all the procedures and rules for new students.

W. DEFERMENT OF STUDY

1. Application for deferment of study from a withdrawn or inactive student will not be considered. For definitions of withdrawn and inactive students, please refer to item X and Z respectively.
2. Students who wish to postpone their studies should apply for deferment of study by completing an application form from the Graduate School and securing the required signatures from the Dean/Director of the academic unit concerned before leaving the University. The University does not guarantee such students that the degree programme/courses will remain constant.
3. Students can apply for deferment of study for not more than 2 semesters at one time. If

students wish to defer their studies for more than 2 semesters, they must submit another application 4 weeks before the end of the previous approved period of deferment. The total approved period of deferment of study cannot accumulate to more than 6 semesters. Any exceptional cases are subject to the endorsement of the Dean/Director of the academic unit concerned and the approval of the Vice Rector (Academic Affairs) via the Graduate School.

4. New students can apply for deferment of study for not more than one academic year. Application for such deferment should be made before class commencement. New students must fulfill all the conditions stated in their offer letters and submit the required amount of non-refundable deposit before they become eligible to apply for deferment of study. Such applications will only be permitted for medical reasons and exceptional cases with sound justification. For medical reasons, students are required to submit medical certificates issued by hospitals at the time of application. For exceptional cases with sound justification, students are required to specify the reason and submit written certification at the time of application.
5. Students who have deferred their studies and wish to return to the University should apply for resumption of study. Resumption is not granted automatically (See the item AA - Resumption/Re-admission of Study for details). Besides, new students are not permitted to transfer to another research area when they apply for resumption of study.

X. WITHDRAWAL FROM THE UNIVERSITY

1. Students who wish to terminate their studies at the University prior to graduation should apply for withdrawal of study by completing an application form which is obtainable from the Graduate School or can be downloaded from the Graduate School's homepage.
2. Withdrawal grades will be recorded for each course at the time the student receives permission to withdraw. The grades are either "W", meaning that the student withdraws from the University before the examination period, or "F", meaning that the student does not take the examinations but withdraws during or after the examination period. However, if a student withdraws from the University after completing all the courses and examinations of a semester, all academic credits/grades are given for the courses taken in that semester.
3. Students who withdraw from the University and later wish to return must apply for re-admission of study. Re-admission of study is not granted automatically and is with lower priority than resumption of study during application consideration subject to quota availability. (See the item AA - Resumption/Re-admission of Study for details.)

Y. CHECK-OUT

1. All withdrawn, suspended or discontinued students and those applying for deferment of study are required to complete the student clearance forms, which are obtainable from the Graduate School or can be downloaded from the Graduate School's homepage, before leaving the University. Students are required to clear all outstanding matters with the department concerned.
2. All graduates are not required to come in person to the University to complete the check-out procedures. However, students who have any outstanding records must clear their records with the department concerned. Otherwise, certificates of graduation and other official documents will not be issued.
3. A student may authorise another person to process the check-out procedures by filling in Graduate School's official authorisation letter. I.D. copies of both parties must be

submitted.

4. Students who withdraw voluntarily from the University sever their connection with the University.
5. If students leave the University in the course of study without going through the check-out procedures, no official document (such as testimonial, transcript or graduation certificate) will be issued.

Z. INACTIVE STUDENTS

1. Students admitted or resuming in academic year 2013/2014 or before who do not settle their tuition fees (including continuation fee) ten calendar days after the commencement of classes in any semester will be considered inactive students.
2. Students admitted or resuming in academic year 2014/2015 onwards who do not enrol in any courses or do not settle their tuition fees (including Continuous Thesis Supervision Fee) one month after the payment deadline in any semester will be considered inactive students.
3. Students admitted in academic year 2016/2017 onwards who do not maintain at least 3 credits of enrolment per semester prior to the stage of extended thesis supervision (where only 2 credits per semester will be charged) will be considered inactive students.
4. Inactive students will be prohibited from attending classes, using any services or facilities of the University, and applying for any official documents. For students who become inactive from academic year 2015/2016 onwards, the maximum inactive duration is two semesters cumulatively. If inactive students wish to return to the University within the inactive duration, they must make up the check-out procedures and apply for re-admission of study. An administration fee will be charged for the late check-out procedures, and a re-admission fee based on the number of inactive semesters will be charged upon approval of re-admission. Please refer to "Fees and Other Charges" for the relevant fees. Re-admission of study is not granted automatically and is with lower priority than resumption of study during application consideration subject to quota availability. Also, inactive students are with lower priority than withdrawn students for re-admission (See the item AA - Resumption/Re-admission of Study for details).

AA. RESUMPTION/RE-ADMISSION OF STUDY

1. Students who have deferred their studies and wish to return to the University should apply for resumption of study, while withdrawn, discontinued or inactive students should apply for re-admission of study.
2. Students returning to the University either through resumption or re-admission can continue their study with all the previous academic records. However, the procedures for resumption and re-admission are different from each other and re-admission is with lower priority than resumption of study during application consideration subject to quota availability. Also, discontinued and inactive students are with lower priority than withdrawn students for re-admission.
3. It should be noted that the total duration for deferment of study, withdrawal of study, and inactive period should not exceed six semesters altogether, and the inactive period should not exceed two semesters independently. No resumption or re-admission of study will be considered if students cannot fulfil this duration requirement. Any exceptional cases are subject to the endorsement of the Dean/Director of the academic unit concerned and the

approval of the Vice Rector (Academic Affairs) via the Graduate School.

Students who cannot return to the University through resumption or re-admission have to apply for regular admission if they wish to study at the University afterwards and all the previous academic records will be expired.

4. Procedures for Resumption of Study

When students apply for resumption of study, they should submit written applications to the Graduate School before class commencement of a certain semester for the approval from the Dean/Director of the academic unit concerned. Any applications submitted on/after the first day of classes will be directly rejected by the Graduate School. The applicants must meet all the admission requirements prevailing at the time of resumption and successful applications will be effective in the specific semester required by the students.

In addition, all resuming students who have deferred their studies due to health issues are required to submit a Medical Examination Report (GRS/Form/005) to the Graduate School during the resumption process. This report is to prove that the student has recovered from the health issues and is capable of pursuing his/her studies at the University. If a student has already had a medical check-up within three months prior to resumption, he/she may submit a certified true copy of that medical report.

5. Procedures for Re-admission of Study

When withdrawn and inactive students apply for re-admission of study, they should submit written requests to the Graduate School for the approval from the Dean/Director of the academic unit concerned. For inactive students, they must make up the check-out procedures before applying for re-admission; however, they are not required to obtain approval from the Dean/Director of the academic unit concerned for the check-out. Also, an administration fee will be charged for the late check-out procedures, and a re-admission fee based on the number of inactive semesters will be charged upon approval of re-admission. (Please refer to "Fees and Other Charges" for the relevant fees).

When discontinued students apply for re-admission of study, they should submit written requests to the Graduate School for the approval of the Vice Rector (Academic Affairs) with the recommendation from the Dean/Director of the academic unit concerned. All re-admission applications should be submitted to the Graduate School before class commencement of a certain semester and any applications submitted on/after the first day of classes will be directly rejected by the Graduate School. The applicants must meet all the admission requirements prevailing at the time of re-admission and successful applications will be effective in the following semester.

6. All resuming and re-admitted students should pay their tuition fees according to the tuition schemes of the resuming/re-admitted year and are required to check the study plan with the general office of the academic unit concerned.

AB. CHANGE OF PERSONAL INFORMATION

1. Students should inform the Graduate School immediately of any change of personal particulars entered in the students' registration records. For changes of address (such as home address, postal address and email address) and contact numbers, requests may be sent through fax or email. For changes of other personal particulars, students must go personally to the Graduate School and personal identification documents must be presented.
2. Application forms are obtainable from the Graduate School or can be downloaded from the Graduate School's homepage. All current students can also directly change their

addresses and telephone numbers through the University's Student Information Web Services (<http://isw.umac.mo>).

3. Other than changes of address or telephone number, applications for changing a student's registered particulars will not be accepted after graduation or withdrawal from the University.

AC. CERTIFICATION

1. Academic Transcripts and Testimonials
 - a. An academic transcript is a certification of a student's record of academic performance at the University and it shows the student's grades obtained in a programme up to the latest final examination taken. Students can apply for transcripts after the academic reports have been released. A testimonial is a certification of the student's present registration status with regard to his/her studies at the University. Application forms may be obtained from the Registry office or can be downloaded from the Registry's homepage. The charge per copy may be found in "Fees and Other Charges". The completed form must be submitted to the Registry. If students submit their applications by post in Macao, a cheque or cashier's order for the amount due should be enclosed. For overseas applicants, payment must be paid by either cashier's order or bank draft; an additional handling fee will be charged. Please refer to "Fees and Other Charges" for further details.
 - b. To avoid delay, please remember that requests for transcripts by other parties must bear the student's authorisation before the Registry can process the requests. During examination and assessment periods, the issuing of transcripts may be suspended or delayed.
 - c. The University reserves the right to withhold an academic transcript or a testimonial from a student who has outstanding fees owing to the University, or who has otherwise failed to discharge all obligations towards to the University.
2. Certified True Copy of Academic Documents

Students may apply for certified true copies of academic documents issued by the University such as graduation certificates and academic transcripts from the Registry. Application forms for such copies are obtainable from the Registry office or can be downloaded from the Registry's homepage. Please refer to "Fees and Other Charges" for the relevant charges. However, the Registry will provide a free service to students who apply for admission to the programmes offered by the University.

AD. ACADEMIC HONESTY

Students should uphold the principle of academic integrity and pursue their studies with passion and honesty. They should avoid committing any act of academic dishonesty, including but not limited to cheating, fabrication, collusion and plagiarism. Plagiarism is a serious academic offence and the University shall penalize the student who is proved to have incorporated others' works as his/her own work according to the "Student Disciplinary Regulations of the University of Macau". Regarding the types and handling procedures of academic dishonesty, please refer to the Rules on Handling Student Academic Dishonesty.

Annex

FEES AND CHARGES

For details about fees and charges, please refer to the “Fees and Charges” section of the UM Academic Calendar or the homepage of the Treasury Section of the Finance Office (<http://www.umac.mo/fo>).

IMPORTANT ANNOUNCEMENTS

Notices such as important announcements, examination schedules or university activities will be posted on notice boards. There are also electronic bulletin boards, which display messages campus-wide and can be easily accessed through the campus computer network. In addition, the University sends important notices to students through SMS (short message service) or emails (university's accounts only). Students should check the campus notice-boards, electronic bulletin boards and university's email accounts to learn about University news and events.

General Rules Governing Master's Degree & Postgraduate Certificate/Diploma Programmes

(Revised and approved by the Senate on 1 March 2016)

Items marked with an asterisk * are applicable to master's degree programmes only.

A. ADMISSION

1. Admission is governed by the University Admission Rules. Applicants must satisfy the University admission requirements, and any additional requirements imposed by the academic unit they intend to enter.
2. Students are normally admitted as 'first-year students'.
3. According to Article 25 of Decree no. 11/91/M of 4 February 1991, students should not enrol/register in any other higher education programme in Macao in the same academic year.
4. A student of the University is required to observe the General Rules, and those rules and procedures which govern admission requirements, examinations, fees and charges.

B. GENERAL

1. The University offers full-time programmes of study leading to the degrees of Master of Arts (MA), Master of Business Administration (MBA), Master of Education (MEd), Master of Law (LLM), Master of Science (MSc), Master of Engineering (MEng), Master of Social Sciences (MSocSc) or such other degrees as are approved by the University authority.
2. Students will be awarded the appropriate master's degree provided that they have:
 - a. undertaken a programme of study for a period normally of not less than the normative period of study; and
 - b. completed the total credit units of courses as stated in the regulations and rules for that degree; and
 - c. passed the prescribed examinations; and
 - d. fulfilled minimum coursework graduation requirements set by the academic units; and
 - e. written a thesis and passed the oral defence; and
 - f. paid the prescribed fees; and
 - g. fulfilled the requirements of the regulations and rules of the University.
3. Each individual academic unit may issue special rules applying to specific master's degree and/or postgraduate certificate/diploma programmes, within the general framework of present General Rules. However, any standard for qualification requirements, performance of candidates and/or else, as provided for in present General Rules, may not be set to a lower or less strict level by the special rules issued for any programme by the relevant academic unit.
4. Students must register in a programme of study on the specified dates in any one academic year, with compulsory attendance at classes.
5. According to Article 31.1 of Decree no. 11/91/M of 4 February 1991, the maximum period of studies will be 150% of the normative period of the programme. For working students, it will be two times the normative period of studies. Students who cannot complete the programme within the periods above will be required to discontinue their studies.

6. Auditing students may study courses at any level subject to acceptance by the appropriate academic authority. An auditing student can attend a course and participate in activities up to and including writing the final examination, but will receive a 'T' grade. These courses may not lead to a degree but may be submitted to the academic unit concerned for consideration if the student wishes to convert to a degree-awarding programme.

C. ACADEMIC YEAR

An academic year covers the period from August to July. Each year consists of two semesters.

D. REGISTRATION

1. New students will be considered registered students upon proper completion and submission of all registration materials to the Graduate School with tuition fees settled, while returning students will be considered registered students upon settlement of tuition fees.
2. A student must register in the name which appears in his/her personal identification documents.
3. Student Cards
 - a. All students will be issued with student cards (UM Campus Card).
 - b. A student card cannot be used by anybody other than the holder.
 - c. In case of loss or damage of a student card, a student should apply for a replacement. Application forms for such replacement are obtainable from the Graduate School's homepage. A card replacement fee will be charged to the student.
 - d. Students may refer to the "Rules & Guidelines Governing the Use of UM Campus Card" for further details.
4. Late Registration
 - a. Students may apply for late registration if they cannot complete the process within the scheduled period. Application for late registration should be submitted at least three working days before the scheduled registration period by completing application forms obtained from the Graduate School's homepage.
 - b. Late registration fees will be charged to students who do not apply for late registration three working days before the scheduled registration period. Students who have applied for late registration but failed to complete the process within the approved period will also be charged a late registration fee.
 - c. Late registration can be considered once only.
 - d. Apart from medical reason, registration can only be delayed for at most five calendar days after commencement of classes. If late registration is anticipated for medical reasons, a medical certificate should be attached to the student's application for late registration. Applications for registration later than the above period will not be accepted except for medical reasons and other extraordinary circumstances. In such case, late registration application requires the approval of the Dean/Director of the academic unit concerned.
 - e. In any case, students must also make sure that they will still be able to enrol in either course work or thesis in the semester that they register. Otherwise, they will not be considered as an active student and will have to defer their studies.
 - f. The admission offer for students who fail to complete the required registration procedures by the designated deadline will be disqualified.
 - g. Students will not be entitled to register if the non-refundable deposit has not been settled.

5. Double Registration

Students are not permitted to register simultaneously in another programme at the University or any other Higher Education Institution in Macao. If a student is found to be in breach of this rule, he/she will be required to discontinue his/her studies at this University.

E. CREDIT AND COURSE LOAD

The minimum number of credits of course work for Master's degree programmes is 24 and in addition a thesis is required. A credit unit is equal to one lecture hour per week for one semester. One session (2 to 3 hours) per week of laboratory or practice work for one semester can also be counted as one credit unit.

F. COURSE RETAKE

Students may apply for retaking a course. Application form is obtainable at the Graduate School's homepage. The student should obtain the consent of the Dean/Director of the academic unit concerned by securing required signatures. For the credit-based tuition fee scheme, all applications must be approved and the retaking courses must be enrolled before the deadline of the add/drop period. The fees for retaking any courses are calculated based on the credit-based tuition fee scheme.

If a student retakes a course, only the course grade for the latest attempt will appear on the student's transcript and will be included in the calculation of the GPA.

G. COURSE ENROLMENT

1. Except under very special circumstances as approved by the Dean/Director of the academic unit concerned, students are advised to follow the study plan specified by the programme in which they have enrolled. The number of credits/courses taken is restricted to the requirements of the academic unit for the semester. It should be noted that no substitutions are allowed under any circumstances for compulsory courses.
 2. The courses offered by any academic unit are normally open to students enrolled in that unit and to students enrolled in other academic units either as electives permitted by, or as requirements set by, those academic units.
 3. A student shall not be allowed to take courses whose lecture-time schedules conflict.
 4. To complete course enrolment for any semester, students must comply with the rules as stated in the study plan for the academic unit in which they are enrolled.
 5. Students will not be entitled to proceed to enrolment or course add/drop if there is any outstanding tuition fee.
 6. On-line Enrolment
During the enrolment period, students of specified programmes of studies will process course enrolment on-line. Students who are not able to enrol on-line during the specified period may complete the process manually.
 7. Course Add/Drop
 - a. Students may make changes to their enrolment records during the course add/drop period. Requests for adding or dropping courses other than the add/drop period will not be accepted.
 - b. Application forms will be provided to students who wish to add/drop courses. Such students are required to complete the form and obtain the signatures of the course instructors and the signature of the Dean/Director of the academic unit concerned.
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- Application forms must be submitted to the academic unit's office by the specified date.
- c. A student who drops a course without going through the prescribed procedure will be given a failing grade, "F" or "NP" for that course.
 - d. A student should confirm his/her enrolment records by checking the course enrolment confirmation note obtainable from the general office of the academic unit concerned.
8. **Withdrawal from Individual Courses**
Students may withdraw from an individual course after the course add/drop period on condition that he/she still has at least one course enrolled after the course is withdrawn. When students wish to withdraw from a course after the add/drop period, they should complete and submit an application form, which is obtainable from the Graduate School or can be downloaded from the Graduate School's homepage, to the Graduate School at least 5 working days before the final examination. A 'W' grade will be given to the withdrawn course and the tuition fee for the withdrawn course will not be refunded. Any application submitted after the aforementioned deadline will not be considered.
 9. Students should always look carefully at their enrolment records. If they are not sure if their enrolment records are correct, they may seek advice from the academic unit concerned. Students are responsible for following up any updates, errors or omissions.
 10. **Study Plan**
A study plan is a guide to what students have to accomplish in order to complete their programme of studies. Students are advised to consult their study plans during selection of courses for enrolment. They should keep their study plans and any subsequent adjustments for future reference during course enrolment and for graduation purposes.
 11. **Course Designations**
 - a. Courses specified in the postgraduate programmes are designated as Compulsory Major course, Required Elective or Free Elective.
 - b. Compulsory Major courses must be taken in the semester indicated. A student who fails a Compulsory Major course is required to retake that course.
 - c. Required Electives are courses chosen by the student but within a group of courses designed for this purpose by the programme. Required Electives may be taken at other times. A student who fails a Required Elective will be required to either retake the same course or take another course within the same group.
 - d. Free Electives are selected by the student in areas inside or outside the major as designated in the curriculum, subject to the academic unit's approval. A student who fails a Free Elective will not be required to retake the course. Such students may take another course to fulfil graduation requirements. Within individual programmes, some courses may not be considered Free Electives.

***H. THESIS REGISTRATION**

A student must submit a thesis proposal endorsed by his/her thesis supervisor with the approval of the Dean/Director of the academic unit concerned. The supervisor(s) must submit a progress report of the student to the Faculty Graduate Studies Committee/Pedagogic Committee every year.

I. TUITION FEE & CONTINUOUS THESIS SUPERVISION FEE

For students admitted from academic year 2014/2015 onwards, a credit-based tuition fee scheme will be adopted. The tuition fee is charged based on the number of credits enrolled and students should settle their tuition fees before the deadline set by the University. Please refer to the "Fees and Charges" for the relevant charges.

*The Continuous Thesis Supervision Fee is charged per semester according to the credit-based tuition fee scheme. Students are required to pay this fee upon fulfilling and settling the charges of the required number of credits for thesis.

J. COURSE EXEMPTION

1. Students who have completed equivalent courses in other tertiary education institutions may apply for course exemption to the academic unit concerned before the last day of course add/drop period. In the case of course exemption, credits will be granted to replace the original UM course. Exempted courses will be assigned a grade 'X' and will be shown in the transcript of academic record, but will not be counted towards the GPA.

Applications should be submitted to the respective academic unit and be accompanied by supporting documents, e.g. course outlines, official course descriptions, lecture hours, study plans, course grades etc, showing that the students have passed equivalent courses elsewhere.

2. Students may apply for course exemption for any courses.
3. Course exemptions are considered valid only after they are endorsed by the head of department or programme coordinator and approved by the Dean/Director of the academic unit concerned.
4. The normal limit on the number of credits that can be transferred to a programme is one-third of the total credits required.
5. Any exceptional cases are subject to the endorsement of the Dean/Director of the academic unit concerned and the approval of the Vice Rector (Academic Affairs) via the Graduate School.

K. COURSE WAIVER

1. Students who have not completed equivalent courses in other tertiary education institutions but have attained the knowledge and skills of specific UM courses may apply for a course waiver to the academic unit concerned before the last day of course add/drop period. In the case of course waiver, no credits will be granted, and students will be required to take a related course approved by the head of department or programme coordinator to fulfil the credit requirement. Waived courses will be assigned a grade 'CW' and will be shown in the transcript of academic record, but will not be counted towards the GPA.

Applications must be submitted to the respective academic unit and be accompanied by an explanation for the waiver request and supporting documents (if any). Proof of the acquired competence is required.

2. Students may apply for course waiver for any courses.
3. Course waivers are considered valid only after they are endorsed by the head of department or programme coordinator and approved by the Dean/Director of the academic unit concerned.
4. All exceptional cases are subject to the endorsement of the Dean/Director of the academic unit concerned and the approval of the Vice Rector (Academic Affairs) via the Graduate School.

L. ATTENDANCE AND ABSENCE

1. Attendance
 - a. Participation in the work of a course is a precondition for a student's achievement of credits in that course.
 - b. A student whose studies are discontinued will not be permitted to attend classes during the period of discontinuation.
2. Absence
 - a. A student who cannot attend classes because of illness must inform the Dean/Director of the academic unit concerned in writing at the earliest opportunity. When longer absence is necessary (over three days) or when absence from examinations is in question, a student must submit in writing an application for leave of absence to the Dean/Director of the academic unit concerned, together with a certificate signed by a registered medical practitioner.
 - b. A student who, during his studies, desires leave of absence for more than two full consecutive days for non-medical reasons must apply to the Dean/Director of the academic unit concerned in writing at the earliest opportunity, stating the reasons for which the leave of absence is sought. Permission for such leave will only be granted in exceptional circumstances and on a case-by-case basis.
 - c. A student who is absent without applying for leave of absence from a course for more than 20% of its scheduled teaching periods in the aggregate will not be allowed to take the final examination and will receive a failing grade for that course.
 - d. If the expected period of leave is of a significant duration, students should apply for deferment of studies.

M. EXAMINATION AND ASSESSMENT

1. Coursework
 - a. A student will take course examinations, where each course will be examined or otherwise assessed, at the end of the semester/quarter in which it is offered.
 - b. For medical or other compelling reasons, a student who is unable to sit for any course examination must apply in writing with a certificate signed by a registered medical practitioner at the earliest possible moment (but not later than seven calendar days after the examination concerned) to the academic unit for leave of absence.
 - c. A student who is absent from any examination without permission will be given a failing grade for that examination.
 - d. In some courses, assessment may be made otherwise than by examination when the programme of study so specifies.
 - e. A student will be examined or assessed for every course he/she has registered for on the basis of his/her performance in that course. Criteria for examination or assessment may include one or any combination of the following: attendance, class-work, written assignments, laboratory work, field work, research papers, tests or examinations.

*** 2. Thesis Writing**

A student shall be examined by examiners at an oral defence on the subject of the thesis and/or approved course of study and research.

***N. EXAMINATION COMMITTEE**

1. After the candidate has submitted the thesis to the academic unit concerned, the Academic Council of the academic unit shall decide whether to submit a proposal for the examination committee to the Senate for approval and the Rector for appointment. The examination committee shall be appointed by the Rector within 30 days after the thesis submission.
2. The candidate shall be informed of the official composition of the examination committee

within 5 working days.

3. The examination committee shall be composed of:
 - a. Two suitably qualified members of academic staff from the specific area of the master's degree programme;
 - b. The thesis supervisor.
4. Within 30 days after notifying the candidate of the composition of the examination committee, the examination committee shall declare in writing to accept the thesis or recommend its revision to the candidate with supporting reasons.
5. In the case of thesis revision, the candidate shall revise the thesis or declare to maintain it unchanged as presented within 90 days. This period cannot be extended.
6. If the candidate does not submit the revised thesis within the said period nor declare waiving the revision, he/she shall be considered to have given up the candidacy. A failing grade shall be given.
7. A candidate must submit properly bound copies of the final version of the thesis approved by the examination committee upon successful completion of the oral defence examination. The exact number of copies of thesis and the submission deadline will be specified by the academic unit concerned. In addition, a candidate must also submit a soft copy of the said thesis to the academic unit concerned for onward transmission to the University Library, in ways and format as determined by the University Library.

***O. ORAL DEFENCE EXAMINATION**

1. The oral defence examination shall take place within 60 days after:
 - a. The day on which the thesis is officially accepted; or
 - b. The day on which the thesis revision or the declaration waiving the revision is submitted.
2. The oral defence examination shall be held with the presence of at least three members of the examination committee, one of whom must be the thesis supervisor.
3. The oral defence examination shall not exceed 90 minutes, during which the examination committee members can join in discussion.
4. The time allocated to the candidate shall be the same as the time given to the examination committee members.
5. When the oral defence examination is completed, the examination committee members shall meet to assess the examination and set out a deliberation on the candidate's final classification by open ballot, with supporting reasons. No abstention is permitted.
6. The chairperson of the examination committee has the deciding vote.
7. The final resolution shall be delivered in the form of pass "P" or fail "NP".
8. The proposal for the award of degrees shall be submitted to the Senate for approval. The minutes of the oral defence examination shall be submitted together with the proposal and shall record the voting results and comments on the oral defence.

P. GRADING SYSTEM

1. Grades are awarded according to the following system:

Letter Grades	Grade Points	Percentage	Scale
A	4.0 (Excellent)	97-100	20
		93-96	19
A-	3.7 (Very Good)	88-92	18
B+	3.3	83-87	17
B	3.0 (Good)	78-82	16
B-	2.7	73-77	15
C+	2.3	68-72	14
C	2.0 (Average)	63-67	13
C-	1.7	58-62	12
D+	1.3	53-57	11
D	1.0 (Pass)	50-52	10
F	0 (Fail)	Below 50	Below 10

Definition of Grades

Letter Grade	Definition	Remark
CW	Course Waiver	Assigned to a course that has been waived.
DX	Deferred Result	A temporary grade assigned to the students who ask for a supplementary examination with justifiable reasons.
I	Incomplete	Used when work is necessarily delayed through no fault of the student, such as a medical problem. This grade must be converted to a regular grade by the commencement of the following semester; otherwise it will be converted to 'F'.
P or NP	Pass or Fail	Given to a course where the results are not counted towards the GPA.
T	Audit	Assigned when an auditing student has completed, to the satisfaction of the instructor, the conditions established at registration as an auditing student.
W	Withdrawal	Assigned when a student has withdrawn from a course. The result will not be counted towards the GPA.
X	Course Exempted	Assigned in the case of a course exemption.

2. Except programmes offered by the Faculty of Law and the Master in Portuguese Language & Culture programme offered by the Faculty of Arts and Humanities, letter grades are official grades. Grade points are used for the purpose of calculating the GPA. Percentages are for reference only.
3. For programmes offered by the Faculty of Law and the Master in Portuguese Language & Culture programme offered by the Faculty of Arts and Humanities, scales are official grades. Other grades are for reference only.

Q. GRADE POINT AVERAGE (GPA)

1. Semester GPA - This is a figure ranging from 0 to 4.0 (A=4.0) used to indicate the average performance of a student in the semester concerned.

- a. Semester GPA:

$$\frac{\text{Total weighted points of all courses taken in the semester concerned}}{\text{Total number of credits enrolled in the semester concerned}}$$

- b. Weighted points:

$$\text{Grade points} \times \text{the number of credits of the course concerned}$$

2. Cumulative GPA – This is a figure ranging from 0 to 4.0 (A=4.0) used to indicate the overall performance of a student in all the semesters of the specified years of studies.

Cumulative GPA:

$$\frac{\text{Total weighted points for all courses taken}}{\text{Total number of credits enrolled in all semesters}}$$

R. GRADUATION HONOURS

1. For Master's degree programmes, honours upon graduation are awarded as follows:
 - Excellent
 - Very Good
 - Good
2. For postgraduate certificate/diploma programmes, a graduation certificate will be awarded upon graduation, with no classification of honours.
3. Graduation and Issue of Graduation Certificates
 - a. Master's Degree Programmes
Upon successful completion of coursework studies, students will be issued a coursework diploma. Upon the fulfilment of the University's GPA requirement and completion of thesis writing and oral defence and with the approval of the University Senate, academic awards will be conferred on students at a congregation.
 - b. Postgraduate Certificate/Diploma Programmes

*A student must complete all the required course work and obtain a minimum overall result of Grade B- (GPA 2.7) or 14 in 20-point scale for FLL and fulfill any other requirements as specified by the academic unit concerned as the graduation requirement.

Upon successful completion of studies at the University and with the approval of the University Senate, academic awards are conferred on students at a congregation.

Students eligible for academic awards for that particular year will be notified in writing of the details regarding the congregation, the collection of academic dress, and the award certificate.

The graduation certificate will be issued once only, as there will be no second printing. **Students are therefore strongly advised to ensure the safe-keeping of this important document.**

The University reserves the right to withhold conferment of an award on a student who has outstanding fees owed to the University, or who has otherwise failed to discharge all obligations towards the University.

S. DISCONTINUATION OF STUDIES

1. A student shall be required to discontinue studies under the following circumstances:

- a. A student who has failed a Compulsory Major course more than once.
 - b. A student who has enrolled in more than 1 course and has failed two-thirds of the credit units for courses taken in one semester.
 - c. A student who cannot or is not in a position to complete his/her course of study within the prescribed period stated in B.5.
2. Students whose studies have been discontinued due to unsatisfactory academic performance or who have exceeded their maximum study period cannot register as a student of the University within the subsequent three years, unless special approval or authorisation has been granted by the party concerned.

Discontinued students returning within the subsequent three years

For students who have been discontinued from their studies due to unsatisfactory academic performance, they should apply for re-admission and such application must be approved by the Vice Rector (Academic Affairs) with the recommendation from the Dean/Director of the academic unit concerned.

For students who have been discontinued from their studies by exceeding the maximum study duration, they should apply for regular admission as new students and such application must be authorised by the government on the recommendation of the University authority.

Discontinued students returning after three years

Three years after the discontinuation, regardless of the reason for discontinuation, they should apply for regular admission and be admitted as new students following all the procedures and rules for new students.

T. CHANGE OF MAJORS

Students cannot change major in the specified years of study. However, any special request may be considered by the Dean/Director of the academic unit concerned on a case-by-case basis.

U. DEFERMENT OF STUDY

1. Application for deferment of study from a withdrawn or inactive student will not be considered. For definitions of withdrawn and inactive students, please refer to item V and X respectively.
2. Students who wish to postpone their studies should apply for deferment of study by completing an application form from the Graduate School and securing the required signatures from the Dean/Director of the academic unit concerned before leaving the University. The University does not guarantee such students that the degree programme/courses will remain constant.
3. Students can apply for deferment of study for not more than 2 semesters at one time. If students wish to defer their studies for more than 2 semesters, they must submit another application 4 weeks before the end of the previous approved period of deferment. The total approved period of deferment of study cannot accumulate to more than 6 semesters. Any exceptional cases are subject to the endorsement of the Dean/Director of the academic unit concerned and the approval of the Vice Rector (Academic Affairs) via the Graduate School.
4. New students can apply for deferment of study for not more than one academic year. Application for such deferment should be made before class commencement. New students must fulfill all the conditions stated in their offer letters and submit the required

amount of non-refundable deposit before they become eligible to apply for deferment of study. Such applications will only be permitted for medical reasons and exceptional cases with sound justification. For medical reasons, students are required to submit medical certificates issued by hospitals at the time of application. For exceptional cases with sound justification, students are required to specify the reason and submit written certification at the time of application.

5. Students who have deferred their studies and wish to return to the University should apply for resumption of study. Resumption is not granted automatically (See the item "Resumption/Re-admission of Study" for details). Besides, new students are not permitted to transfer to another programme when they apply for resumption of study.

V. WITHDRAWAL FROM THE UNIVERSITY

1. Students who wish to terminate their studies at the University prior to graduation should apply for withdrawal of study by completing an application form which is obtainable from the Graduate School or can be downloaded from the Graduate School's homepage.
2. Withdrawal grades will be recorded for each course at the time the student receives permission to withdraw. The grades are either "W", meaning that the student withdraws from the University before the examination period, or "F", meaning that the student does not take the examinations but withdraws during or after the examination period. However, if a student withdraws from the University after completing all the courses and examinations of a semester, all academic credits/grades are given for the courses taken in that semester.
3. Students who withdraw from the University and later wish to return must apply for re-admission of study. Re-admission of study is not granted automatically and is with lower priority than resumption of study during application consideration subject to quota availability. (See the item "Resumption/Re-admission of Study" for details.)

W. CHECK-OUT

1. All withdrawn, suspended or discontinued students and those applying for deferment of study are required to complete the student clearance forms, which are obtainable from the Graduate School or can be downloaded from the Graduate School's homepage, before leaving the University. Students are required to clear all outstanding matters with the department concerned.
2. All graduates are not required to come in person to the University to complete the check-out procedures. However, students who have any outstanding records must clear their records with the department concerned. Otherwise, certificates of graduation and other official documents will not be issued.
3. A student may authorise another person to process the check-out procedures by filling in Graduate School's official authorisation letter. I.D. copies of both parties must be submitted.
4. Students who withdraw voluntarily from the University sever their connection with the University.
5. If students leave the University in the course of study without going through the check-out procedures, no official document (such as testimonial, transcript or graduation certificate) will be issued.

X. INACTIVE STUDENTS

1. Students admitted or resuming in academic year 2013/2014 or before who do not settle their tuition fees (including continuation fee) ten calendar days after the commencement of classes in any semester will be considered inactive students.
2. Students admitted or resuming in academic year 2014/2015 onwards who do not enrol in any courses or do not settle their tuition fees (including Continuous Thesis Supervision Fee) one month after the payment deadline in any semester will be considered inactive students.
3. Inactive students will be prohibited from attending classes, using any services or facilities of the University, and applying for any official documents. For students who become inactive from academic year 2015/2016 onwards, the maximum inactive duration is two semesters cumulatively. If inactive students wish to return to the University within the inactive duration, they must make up the check-out procedures and apply for re-admission of study. An administration fee will be charged for the late check-out procedures, and a re-admission fee based on the number of inactive semesters will be charged upon approval of re-admission. Please refer to "Fees and Other Charges" for the relevant fees. Re-admission of study is not granted automatically and is with lower priority than resumption of study during application consideration subject to quota availability. Also, inactive students are with lower priority than withdrawn students for re-admission (See the item "Resumption/Re-admission of Study" for details).

Y. RESUMPTION/RE-ADMISSION OF STUDY

1. Students who have deferred their studies and wish to return to the University should apply for resumption of study, while withdrawn, discontinued or inactive students should apply for re-admission of study.
2. Students returning to the University either through resumption or re-admission can continue their study with all the previous academic records. However, the procedures for resumption and re-admission are different from each other and re-admission is with lower priority than resumption of study during application consideration subject to quota availability. Also, discontinued and inactive students are with lower priority than withdrawn students for re-admission.
3. It should be noted that the total duration for deferment of study, withdrawal of study, and inactive period should not exceed six semesters altogether, and the inactive period should not exceed two semesters independently. No resumption or re-admission of study will be considered if students cannot fulfil this duration requirement. Any exceptional cases are subject to the endorsement of the Dean/Director of the academic unit concerned and the approval of the Vice Rector (Academic Affairs) via the Graduate School.

Students who cannot return to the University through resumption or re-admission have to apply for regular admission if they wish to study at the University afterwards and all the previous academic records will be expired.

4. **Procedures for Resumption of Study**
When students apply for resumption of study, they should submit written applications to the Graduate School before class commencement of a certain semester for the approval from the Dean/Director of the academic unit concerned. Any applications submitted on/after the first day of classes will be directly rejected by the Graduate School. The applicants must meet all the admission requirements prevailing at the time of resumption and successful applications will be effective in the specific semester required by the students.

In addition, all resuming students who have deferred their studies due to health issues are required to submit a Medical Examination Report (GRS/Form/005) to the Graduate School during the resumption process. This report is to prove that the student has recovered from the health issues and is capable of pursuing his/her studies at the University. If a student has already had a medical check-up within three months prior to resumption, he/she may submit a certified true copy of that medical report.

5. Procedures for Re-admission of Study

When withdrawn and inactive students apply for re-admission of study, they should submit written requests to the Graduate School for the approval from the Dean/Director of the academic unit concerned. For inactive students, they must make up the check-out procedures before applying for re-admission; however, they are not required to obtain approval from the Dean/Director of the academic unit concerned for the check-out. Also, an administration fee will be charged for the late check-out procedures, and a re-admission fee based on the number of inactive semesters will be charged upon approval of re-admission (Please refer to "Fees and Other Charges" for the relevant fees).

When discontinued students apply for re-admission of study, they should submit written requests to the Graduate School for the approval of the Vice Rector (Academic Affairs) with the recommendation from the Dean/Director of the academic unit concerned. All re-admission application should be submitted to the Graduate School before class commencement of a certain semester and any applications submitted on/after the first day of classes will be directly rejected by the Graduate School. The applicants must meet all the admission requirements prevailing at the time of re-admission and successful applications will be effective in the following semester.

6. All resuming and re-admitted students should pay their tuition fees according to the tuition schemes of the resuming/re-admitted year and are required to check the study plan with the general office of the academic unit concerned.

Z. CHANGE OF PERSONAL INFORMATION

1. Students should inform the Graduate School immediately of any change of personal particulars entered in the students' registration records. For changes of address (such as home address, postal address and email address) and contact numbers, requests may be sent through fax or email. For changes of other personal particulars, students must go personally to the Graduate School and personal identification documents must be presented.
2. Application forms are obtainable from the Graduate School or can be downloaded from the Graduate School's homepage. All current students can also directly change their addresses and telephone numbers through the University's Student Information Web Services (<http://isw.umac.mo>).
3. Other than changes of address or telephone number, applications for changing a student's registered particulars will not be accepted after graduation or withdrawal from the University.

AA. CERTIFICATION

1. Academic Transcripts and Testimonials
 - a. An academic transcript is a certification of a student's record of academic performance at the University and it shows the student's grades obtained in a programme up to the latest final examination taken. Students can apply for transcripts after the academic reports have been released. A testimonial is a certification of the student's present registration status with regard to his/her studies at the University.

Application forms may be obtained from the Registry office or can be downloaded from the Registry's homepage. The charge per copy may be found in "Fees and Other Charges". The completed form must be submitted to the Registry. If students submit their applications by post in Macao, a cheque or cashier's order for the amount due should be enclosed. For overseas applicants, payment must be paid by either cashier's order or bank draft; an additional handling fee will be charged. Please refer to "Fees and Other Charges" for further details.

- b. To avoid delay, please remember that requests for transcripts by other parties must bear the student's authorisation before the Registry can process the requests. During examination and assessment periods, the issuing of transcripts may be suspended or delayed.
 - c. The University reserves the right to withhold an academic transcript or a testimonial from a student who has outstanding fees owing to the University, or who has otherwise failed to discharge all obligations towards to the University.
2. **Certified True Copy of Academic Documents**
Students may apply for certified true copies of academic documents issued by the University such as graduation certificates and academic transcripts from the Registry. Application forms for such copies are obtainable from the Registry office or can be downloaded from the Registry's homepage. Please refer to "Fees and Other Charges" for the relevant charges. However, the Registry will provide a free service to students who apply for admission to the programmes offered by the University.

AB. ACADEMIC HONESTY

Students should uphold the principle of academic integrity and pursue their studies with passion and honesty. They should avoid committing any act of academic dishonesty, including but not limited to cheating, fabrication, collusion and plagiarism. Plagiarism is a serious academic offence and the University shall penalize the student who is proved to have incorporated others' works as his/her own work according to the "Student Disciplinary Regulations of the University of Macau". Regarding the types and handling procedures of academic dishonesty, please refer to the Rules on Handling Student Academic Dishonesty.

FEES AND CHARGES

For details about fees and charges, please refer to the “Fees and Charges” section of the UM Academic Calendar or the homepage of the Treasury Section of the Finance Office.

IMPORTANT ANNOUNCEMENTS

Notices such as important announcements, examination schedules or university activities will be posted on notice boards. There are also electronic bulletin boards, which display messages campus-wide and can be easily accessed through the campus computer network. In addition, the University sends important notices to students through SMS* (short message service) or emails (university's accounts only). Students should check the campus notice-boards, electronic bulletin boards and university's email accounts to learn about University news and events.

*Students need to register for the SMS service through the University's Student Information Web Services (<http://isw.umac.mo>) before they can receive the University's important notices through SMS.

ACADEMIC REGULATIONS AND RULES

General Rules Governing Bachelor's Degree Programmes

(Approved by the Senate on 08 June 2016)

A. ADMISSION

1. Admission is governed by the University Admission Rules (AAO-REG.09-1/201511/001 *Admission Rules for Bachelor's Degree Programmes*; GRS.09-4/201602/000 *Admission Rules Governing Master's Degrees & Postgraduate Certificates/Diploma Programmes*; GRS.09-4/201602/050 *Admission Rules Governing PhD Programmees*). Applicants must satisfy the University admission requirements, and any additional requirements imposed by the academic unit they intend to enter.
2. According to Article 25 of Decree no. 11/91/M of 4 February 1991, students should not enrol/register in any other higher education programme in Macao in the same academic year.
3. A student of the University is required to observe the General Rules, and those rules and procedures which govern admission requirements, examinations, fees and charges.

B. GENERAL

1. The University offers full-time programmes of study leading to the degrees of Bachelor of Arts (BA), Bachelor of Business Administration (BBA), Bachelor of Education (BEd), Bachelor of Law (LLB), Bachelor of Science (BSc), Bachelor of Social Sciences (BSocSc) or such other degrees as approved by the University authority.
2. Students will be awarded the appropriate bachelor's degree provided that they have:
 - a. undertaken a programme of study for a period normally of not less than four years for bachelor programmes; and
 - b. completed the total credits of courses as stated in the rules for that degree; and
 - c. passed the prescribed examinations; and
 - d. paid the prescribed fees; and
 - e. fulfilled the requirements of the rules of the University.
3. Students must register in a programme of study on the specified dates in any one academic year, with compulsory attendance at classes.
4. According to Article 31.1 of Decree no. 11/91/M of 4 February 1991, the maximum duration of studies will be 150% of the normal duration of the programme. For working students, it will be two times the normal duration of studies. Students who cannot complete the programme within the periods above will be required to discontinue their studies.
5. Auditing students may study courses at any level subject to acceptance by the appropriate academic authority. An auditing student can attend a course and participate in activities up to and including writing the final examination, but will receive a 'T' grade. These courses may not lead to a degree but may be submitted to the academic unit concerned for consideration if the student wishes to convert to a degree-awarding programme.

C. ACADEMIC YEAR

An academic year covers the period from August to July. Each year consists of two semesters, plus an optional intensive summer term for needed programmes. Each semester consists of approximately sixteen weeks of scheduled classes, including examinations.

D. REGISTRATION

1. New students are normally admitted as 'first-year students' and will be considered registered students upon proper completion and submission of all registration materials to the Registry with tuition fees settled, while returning students will be considered registered students upon settlement of tuition fees.
2. Students are normally categorised as first, second, third, fourth or fifth year based on the number of credits gained. In special cases, such as transferring from one programme to another, or falling behind in studies because of failure in many courses, categorisation will be based on the advice of the academic unit.
3. A student must register in the name which appears in his/her personal identification documents.
4. Student Cards
 - a. All students will be issued with student cards (UM Campus Card).
 - b. A student card cannot be used by anybody other than the holder.
 - c. In case of loss or damage of a student card, a student should apply for a replacement. Application forms for such replacement are obtainable from the Registry office or can be downloaded from the Registry's homepage. A card replacement fee will be charged to the student.
 - d. Students may refer to the 'Rules & Guidelines Governing the Use of UM Campus Card' for further details.
5. Double Registration

Students are not permitted to register simultaneously in another programme at the University or any other Higher Education Institution in Macao. If a student is found to be in breach of this rule, he/she will be required to discontinue his/her studies at this University.

E. CREDIT AND COURSE LOAD

1. A credit is equal to one lecture hour per week for one semester. One session (2 to 3 hours) per week of laboratory or practice work for one semester is also counted as one credit.
2. Course Load for Students
 - a. A student is normally allowed to take a maximum of 21 credits in a semester (an academic unit may allow less as the maximum). Any special request for more than 21 credits must be endorsed by the Dean of the academic unit concerned and approved by the Vice Rector (Academic Affairs).
 - b. A final year student may take up to 24 credits in a semester. Prior approval of the Dean of the academic unit concerned must be sought.

F. COURSE ENROLMENT

1. Demand-driven approach is adopted for Course Enrolment at the University. It includes three processes, pre-enrolment and two phases of course add/drop.
 - a. Pre-enrolment is not processed on a first-come-first-served basis. Students are required to perform pre-enrolment and they can perform it any time within the scheduled period. If students fail to perform it, they will lose the priority to enrol in the courses before the course add/drop period.
 - b. The first phase of course add/drop is on a first-come-first-served basis and at real-time mode, subject to fulfilment of pre-defined rules and availability of quotas. Each student will be assigned a period of time on a certain date for the first phase of course add/drop. Students may perform the first phase of course add/drop during the aforementioned appointment one week before class commencement.
 - c. The second phase of course add/drop is not on a first-come-first-served basis but

instead a daily batch process. Students may further adjust their enrolment records during the scheduled period after class commencement.

2. Except under very special circumstances as approved by the Dean of the academic unit concerned, students are advised to follow the study plan specified by the programme in which they have enrolled. The number of credits/courses taken is restricted to the requirements of the academic unit for the semester. It should be noted that no substitutions are allowed under any circumstances for compulsory courses.
3. The courses offered by any academic unit are normally open to students enrolled in that unit, and to students enrolled in other academic units either as electives permitted by, or as requirements set by, those academic units.
4. A student shall not be allowed to take courses where lecture-time schedules conflict.
5. Students will not be entitled to proceed to pre-enrolment or course add/drop if there is any outstanding tuition fee.
6. Course Add/Drop
 - a. Students may make changes to their enrolment records during the course add/drop period. Requests for adding or dropping courses other than the add/drop period will not be accepted.
 - b. Adding a new course depends on the availability of section quota. Add-in priority is: 1st Compulsory Major course, 2nd General Education course, 3rd Required Elective/Minor course, 4th Distribution/Diversity Elective, 5th Free Elective.
 - c. A student who drops a course without going through the prescribed procedures will be given a failing grade, "F" or "NP" for that course.
7. Withdrawal from Individual Courses

Students may withdraw from an individual course after the course add/drop period on condition that he/she still has at least one credit enrolled after the course is withdrawn. When students wish to withdraw from a course after the add/drop period, they should complete and submit an application form, which is obtainable from the Registry office or can be downloaded from the Registry's homepage, to the Registry by the end of the 11th week of a semester. For Summer Term, students who wish to withdraw from a course should submit the application form to the Registry office at least 5 working days before the examination period. A 'W' grade will be given to the withdrawn course and the tuition fee for the withdrawn course will not be refunded. Any application submitted after the aforementioned deadline will not be considered.
8. Students should always look carefully at their enrolment records. If they are not sure if their enrolment records are correct, they may seek advice from the academic unit concerned. Students are responsible for following up any updates, errors or omissions.
9. Study Plan

A study plan is a guide to what students have to accomplish in order to complete their programme of studies. Students are advised to consult their study plans during selection of courses for enrolment. They should keep their study plans and any subsequent adjustments for future reference during course enrolment and for graduation purposes.
10. Course Designations
 - a. Courses specified in the undergraduate programmes are designated as Compulsory Major course, General Education course, Required Elective, Minor course, Distribution/Diversity Elective or Free Elective.
 - b. Compulsory Major courses must be taken in the semester indicated. A student who fails a Compulsory Major course is required to retake that course.

- c. General Education courses are courses listed in the General Education Programme. They are divided into 13 areas. A student who fails a General Education course will be required to either retake the same course or take another course within the same area. Within individual major programmes, some restrictions on the selection of General Education courses may be prescribed.
- d. Required Electives are courses chosen by the student but within a group of courses designed for this purpose by the programme. Required Electives may be taken at other times. A student who fails a Required Elective will be required to either retake the same course or take another course within the same group.
- e. Minor courses are courses designated by the Minor Programme.
- f. Distribution/Diversity Electives are courses offered by different major programmes other than the student's own major programme. A student who fails a Distribution/Diversity Elective is required to retake the same course or enrol in another course offered by different major programmes other than the student's own major programme.
- g. Free Electives are selected by the student in areas inside or outside the major as designated in the curriculum, subject to the academic unit's approval. A student who fails a Free Elective will not be required to retake the course. Such students may take another course to fulfil graduation requirements. Within individual programmes, some courses may not be considered Free Electives.

G. UNDERGRADUATE CURRICULUM MODEL

The following undergraduate curriculum model is implemented in academic year 2011/2012 onwards:

Component		No. of credits	% of total no. of credits
1.	Major	60 – 66 [^]	50%
2.	General Education	36	28%
3.	Distribution/Diversity Electives (courses outside major*)	12	9%
4.	Free Electives (minor = 18 to 24 credits)	17 – 21	13%
Total no. of required credits		132 - 135[^]	100%

[^] Except for pre-approved programmes whose maximum major credits can be up to 75 and total credits up to 144.

* The courses should be chosen from 4 or more different disciplines outside the student's own major programme.

H. COURSE RETAKE

1. A student may retake a course only if the course result is below Grade C (2.0).
2. There is no limit to the number of times a student retakes a course. The results of all attempts will be recorded and shown on the transcript. Only the highest grade among all attempts will be considered in GPA calculation: if this grade is Grade C (2.0) or below, it will be counted towards the GPA; if this grade is above Grade C, only Grade C (2.0) will be counted towards the GPA.

I. COURSE EXEMPTION

1. Students who have completed equivalent courses in other tertiary education institutions may apply for course exemption to the academic unit concerned before the last day of course add/drop period. In the case of course exemption, credits will be granted to replace the original UM course. Exempted courses will be assigned a grade 'X' and will be shown in the transcript of academic record, but will not be counted towards the GPA.

Applications should be submitted to the respective academic unit and be accompanied by supporting documents, e.g. course outlines, official course descriptions, lecture hours, study plans, course grades etc, showing that the students have passed equivalent courses elsewhere.

2. Students may apply for course exemption for any courses except the course in General Education Course Area "University Life".
3. Course exemptions are considered valid only after they are endorsed by the head of department or programme coordinator of the course offering units and approved by the Dean of student's home academic unit.
4. A course can be exempted only if it meets the following three requirements:
 1. The course applied for course exemption must be deemed at degree level.
 2. Course Content
The course applied for course exemption must have at least 80% content similarity. The head of department or programme coordinator of the course offering units can judge the course content.
 3. Lecture Hour
The lecture hours of the course applied for course exemption must have at least 80% as the course offered by UM. One UM credit is equal to one lecture hour per week for one semester and the total number of teaching weeks of a semester is at least 14. For course completed under the European Credit Transfer System (ECTS) without having 80% lecture hours as the 3-credit UM-offered course, it must have at least "6 ECTS credits and 24 lecture hours" or "5 ECTS credits and 30 lecture hours".
5. The normal limit on the number of credits that can be transferred to a programme is one-third of the total credits required.
6. For courses completed in UM-initiated outbound programmes without comparable courses offered by UM, students can still transfer them to UM as free electives with a maximum of 6 credits. Endorsement from the head of department or programme coordinator and approval from the Dean of the academic unit concerned are required.
7. All exceptional cases are subject to the recommendation of the Dean of the academic unit concerned and the approval of Vice Rector (Academic Affairs) via the Registry.

J. COURSE WAIVER

1. Students who have not completed equivalent courses in other tertiary education institutions but have attained the knowledge and skills of specific UM courses may apply for a course waiver to the academic unit concerned before the last day of course add/drop period. In the case of course waiver, no credits will be granted, and students will be required to take a related course approved by the head of department or programme coordinator to fulfil the credit requirement. Waived courses will be assigned a grade 'CW' and will be shown in the transcript of academic record, but will not be counted towards the GPA.

Applications must be submitted to the respective academic unit and be accompanied by an explanation for the waiver request and supporting documents (if any). Proof of the

acquired competence is required.

2. Students may apply for course waiver for any courses. For the course in General Education Course Area "University Life", students may apply for course waiver on the condition that they have possessed a degree from a comparable tertiary educational institution. This waiver does not require a replacement course.
3. Course waivers are considered valid only after they are endorsed by the head of department or programme coordinator of the course offering units and approved by the Dean of student's home academic unit.
4. All exceptional cases are subject to the recommendation of the Dean of the academic unit concerned and the approval of Vice Rector (Academic Affairs) via the Registry.

K. ATTENDANCE AND ABSENCE

1. Attendance
 - a. Participation in the work of a course is a precondition for a student's achievement of credits in that course.
 - b. A student whose studies are discontinued will not be permitted to attend classes during the period of suspension.
2. Absence
 - a. A student who cannot attend classes because of illness must inform the Dean of the academic unit concerned in writing at the earliest opportunity. When longer absence is necessary (over three days) or when absence from examinations is in question, a student must submit in writing an application for leave of absence to the Dean of the academic unit concerned, together with a certificate signed by a registered medical practitioner.
 - b. A student who, during his studies, desires leave of absence for more than two full consecutive days for non-medical reasons must apply to the Dean of the academic unit concerned in writing at the earliest opportunity, stating the reasons for which the leave of absence is sought. Permission for such leave will only be granted in exceptional circumstances and on a case-by-case basis.
 - c. A student who is absent without applying for leave of absence from a course for more than 20% of its scheduled teaching periods in the aggregate will not be allowed to take the final examination and will receive a failing grade for that course.
 - d. If the expected period of leave is of a significant duration, students should apply for deferment of studies.

L. EXAMINATION AND ASSESSMENT

1. A student will take course examinations, where each course will be examined or otherwise assessed at the end of the semester in which it is offered.
2. For medical or other compelling reasons, a student who is unable to sit for any course examination must apply in writing with a certificate signed by a registered medical practitioner at the earliest possible moment (but not later than seven calendar days after the examination concerned) to the academic unit for leave of absence.
3. A student who is absent from any examination without permission will be given a failing grade for that examination.
4. In some courses, assessment may be made otherwise than by examination when the programme of study so specifies.

5. A student will be examined or assessed for every course he/she has registered for on the basis of his/her performance in that course. Criteria for examination or assessment may include one or any combination of the following: attendance, class-work, written assignments, laboratory work, field work, research papers, tests or examinations.

M. GRADING SYSTEM

1. Grades are awarded according to the following system:

Letter Grades	Grade Points	Percentage	Scale
A	4.0 (Excellent)	97-100	20
		93-96	19
A-	3.7 (Very Good)	88-92	18
B+	3.3	83-87	17
B	3.0 (Good)	78-82	16
B-	2.7	73-77	15
C+	2.3	68-72	14
C	2.0	63-67	13
C-	1.7	58-62	12
D+	1.3	53-57	11
D	1.0 (Pass)	50-52	10
F	0 (Fail)	Below 50	Below 10

Definition of Grades

Letter Grade	Definition	Remark
CW	Course Waiver	Assigned to a course that has been waived.
DX	Deferred Result	A temporary grade assigned to the students who ask for a supplementary examination with justifiable reasons.
I	Incomplete	Used when work is necessarily delayed through no fault of the student, such as a medical problem. This grade must be converted to a regular grade by the commencement of the following semester; otherwise it will be converted to 'F'.
P or NP	Pass or Fail	Given to a course where the results are not counted towards the GPA.
T	Audit	Assigned when an auditing student has completed, to the satisfaction of the instructor, the conditions established at registration as an auditing student.
W	Withdrawal	Assigned when a student has withdrawn from a course. The result will not be counted towards the GPA.
X	Course Exempted	Assigned in the case of a course exemption.

2. Except the Faculty of Law, letter grades are official grades. Grade points are used for the purpose of calculating the GPA. Percentages are for reference only.
3. For the Faculty of Law, scales are official grades. Other grades are for reference only.

N. GRADE POINT AVERAGE (GPA)

1. Semester GPA - This is a figure ranging from 0 to 4.0 (A=4.0) used to indicate the average

performance of a student in the semester concerned.

a. Semester GPA:

Total weighted points of all courses taken in the semester concerned

Total number of credits enrolled in the semester concerned

b. Weighted points:

Grade points x the number of credits of the course concerned

2. Cumulative GPA – This is a figure ranging from 0 to 4.0 (A=4.0) used to indicate the overall performance of a student in all the semesters of the specified years of studies.

Cumulative GPA:

Total weighted points for all courses taken

Total number of credits enrolled in all semesters

O. ACADEMIC HONOURS

Dean's and Rector's Honour Lists

Students in bachelor's degree programmes will be placed on the Dean's & Rector's Honour List at the end of the first or second semester if they meet the following criteria:

■ **For Dean's Honour List:**

An eligible student should be a full-time student in the relevant semester who has taken 15 credits or above at the University and achieves a semester GPA of 3.3 (grade B+) or better in that semester, or an FLL student who has taken 30 credits or above at the University and achieves a scale of 15 or better in that academic year.

■ **For Rector's Honour List:**

The Rector's Honour List is compiled on the Dean's recommendation. Only the best student in each academic unit is selected, and the candidates must:

- be full-time students in the relevant academic year, and
- take 15 credits or above per semester at the University and achieve a semester GPA of 3.5 or better in both semesters of that academic year; or, for FLL students, take 30 credits or above at the University and achieve a scale of 16 or better in that academic year.

Students going out for study, research, exchange, or other relevant academic activities or on leave for one semester or one academic year would not be included in the Dean's or Rector's Honour Lists in that semester or academic year.

P. GRADUATION

1. Students admitted from academic year 2014/2015 onwards are required to fulfil the following requirements in order to graduate:

a. GPA Requirement

For programmes using GPA system, students are required to achieve a cumulative GPA of 2.0 or above.

b. Residential College (RC) Requirement

Mandatory residence of two semesters is normally required for the 1st year students. All students are required to fulfil the requirements specified by the RC system and the affiliated RC.

The University will **NOT** issue any certificates to those students who pass all the required courses but do not fulfil both the minimum GPA requirement and the RC requirement for

graduation. However, transcripts will be issued to the students.

2. Graduation and Issue of Graduation Certificates

Upon successful completion of studies, fulfillment of both the GPA requirement and the RC requirement at the University, and with the approval of the University's Senate, academic awards are conferred on students at a congregation.

Students eligible for academic awards for that particular year, including those graduating after semester 1 and semester 2, will be notified in writing of the details regarding the congregation, the collection of academic dress, and the award certificate.

The graduation certificate will be issued once only, as there will be no second printing. **Students are therefore strongly advised to ensure the safe-keeping of this important document.**

The University reserves the right to withhold conferment of an award on a student who has outstanding fees owed to the University, or who has otherwise failed to discharge all obligations towards the University.

Q. ACADEMIC WARNING, PROBATION AND DISCONTINUATION OF STUDIES

1. Academic Warning

A student shall be placed on Academic Warning if he/she has obtained a semester GPA or cumulative GPA below 1.70 in any registered semester.

A student on Academic Warning will receive a written warning about his/her unsatisfactory academic performance and the required academic advising from the concerned academic unit.

2. Academic Probation

A student shall be placed on Academic Probation for one semester if he/she has obtained a semester GPA or cumulative GPA below 1.70 in any two consecutive registered semesters.

A student on Academic Probation will receive a written warning about his/her unsatisfactory academic performance. The study load of the student shall be restricted to a maximum of 12 credits. Such student shall be required to seek academic advice from his/her home academic unit on a regular basis (usually at least once a month) during the probation semester. His/Her performance shall be reviewed at the end of the probation semester:

- a. If a student obtains both semester GPA and cumulative GPA of 1.70 or above in the probation semester, his/her Academic Probation will be lifted.
- b. If a student obtains either a semester GPA or cumulative GPA below 1.70 in the probation semester, his/her Academic Probation will be extended for one more semester.
- c. If a student obtains both semester GPA and cumulative GPA below 1.70 in the probation semester, he/she will be required to discontinue his/her studies.

The Registry will send the list of students to be discontinued of studies to the concerned academic units for confirmation. For special cases, the Dean of the academic unit concerned may extend the probation period for one more semester with strong justifications. In any case, a student shall be placed on Academic Probation for not more than three registered semesters.

3. Students whose studies have been discontinued due to unsatisfactory academic performance or who have exceeded their maximum study period cannot register as a

student of the University within the subsequent three years, unless special approval or authorisation has been granted by the party concerned:

Discontinued students returning within the subsequent three years

For students who have been discontinued from their studies due to unsatisfactory academic performance, they should apply for re-admission and such application must be approved by the Vice Rector (Academic Affairs) with the recommendation from the Dean of the academic unit concerned.

For students who have been discontinued from their studies by exceeding the maximum study duration, they should apply for regular admission as new students and such application must be authorised by the government on the recommendation of the University authority.

Discontinued students returning after three years

Three years after the discontinuation, regardless of the reason for discontinuation, they should apply for regular admission and be admitted as new students following all the procedures and rules for new students.

R. TRANSFER OF PROGRAMME

1. Students may apply for transfer of programme within the scheduled period in each semester and may apply to a maximum of 2 programme choices according to the order of preferences. Students are not eligible to apply for transfer of programme in their first registered semester at UM.
2. All applications must be approved by the Dean of the academic unit of the programme transferred to.
3. The approved applications for transfer of programme will be effective in the following semester.
4. Any student can have only one approved transfer of programme during his/her undergraduate study at UM.
5. The results of courses taken previously will all be included in the GPA calculation for graduation.

S. PURSUING MINOR PROGRAMMES

1. A minor programme requires 18-24 credits of courses (Please refer to the Registry's website (http://www.umac.mo/reg/cstudents_minor_pro.php) for the most updated minor study plans.
2. A student who wishes to apply for enrolling in a minor programme should achieve an accumulative GPA of not less than 2.0 (Grade C).
3. Students may apply for minor programme within the scheduled period in each semester and can pursue a maximum of two minor programmes but they are not eligible to apply for it in their first registered semester at UM. Students having prior approval for pursuing minor programme will be given priority in course enrolment. However, students without prior approval may also apply for qualification of a minor programme in the 2nd semester of the final year of study if they have successfully enrolled in all the courses required by the minor programme.
4. Changing minor programme is subject to approval of the academic unit of the minor

programme changed to. Any student can have only one approved change of minor programme during his/her undergraduate study at UM. A student who wishes not to continue their enrolled minor programme is required to complete a prescribed form and return to the academic unit concerned.

5. In order to graduate with a minor qualification, a student must complete all requirements of the enrolled minor programme, as well as all the requirements of the major programme of study. The results achieved in the minor courses will be calculated towards the GPA calculation for graduation.

T. DEFERMENT OF STUDY

1. Application for deferment of study from a withdrawn or inactive student will not be considered. For definitions of withdrawn and inactive students, please refer to item U and W respectively.
2. Students who wish to postpone their studies should apply for deferment of study by completing an application form, which is obtainable from the Registry office or can be downloaded from the Registry's homepage, and securing the required signatures from the Dean of the academic unit concerned before leaving the University. The University does not guarantee such students that the degree programme/courses will remain constant.
3. Students can apply for deferment of study for not more than 2 semesters at one time. If students wish to defer their studies for more than 2 semesters, they must submit another application 4 weeks before the end of the previous approved period of deferment. The total approved period of deferment of study cannot accumulate to more than 6 semesters.
4. New students can apply for deferment of study for not more than one academic year. Application for such deferment should be made before class commencement. New students must fulfil all the conditions stated in their offer letters and submit the required amount of non-refundable deposit before they become eligible to apply for deferment of study. Such applications will only be permitted for medical reasons and exceptional cases with sound justification. For medical reasons, students are required to submit medical certificates issued by hospitals at the time of application. For exceptional cases with sound justification, students are required to specify the reason and submit written certification at the time of application.
5. Students who have deferred their studies and wish to return to the University should apply for resumption of study. Resumption is not granted automatically (See the item "Resumption/Re-admission of Study" for details). Besides, students are not permitted to transfer to another programme when they apply for resumption of study.

U. WITHDRAWAL FROM THE UNIVERSITY

1. Students who wish to terminate their studies at the University prior to graduation should apply for withdrawal of study by completing an application form, which is obtainable from the Registry office or can be downloaded from the Registry's homepage.
2. Withdrawal grades will be recorded for each course at the time the student receives permission to withdraw. The grades are either "W", meaning that the student withdraw from the University before the examination period, or "F", meaning that the student do not take the examinations but withdraw during or after the examination period. However, if a student withdraws from the University after completing all the courses and examinations of a semester, all academic credits/grades are given for the courses taken in that semester.
3. Students who withdraw from the University and later wish to return must apply for

re-admission of study. Re-admission of study is not granted automatically. It is with lower priority than resumption of study during application consideration and is subject to quota availability (See the item "Resumption/Re-admission of Study" for details).

V. CHECK-OUT

1. All withdrawn, discontinued students and those applying for deferment of study are required to complete the student clearance forms, which are obtainable from the Registry office or can be downloaded from the Registry's homepage, before leaving the University. Students are required to clear all outstanding matters with the department concerned.
2. If students leave the University in the course of study without going through the check-out procedures, no official document (such as testimonial, transcript or graduation certificate) will be issued.

W. INACTIVE STUDENTS

1. Students who do not enrol in any course or do not fully settle their tuition fees in any semester will be considered inactive students.
2. Students are required to settle their tuition fees before the payment deadline. For any special reasons, when students fail to settle their tuition fees by the due date, they may submit a written request with justification for their overdue payment to the Registry within 10 calendar days after the payment deadline for permission to re-settle their tuition fees, and a penalty for the overdue payment will be charged (Please refer to Fees and Other Charges for details). Written requests submitted 10 calendar days after the payment deadline will not be considered and any students who do not have their tuition fees fully settled by the said time will be considered inactive students.
3. Inactive students will be prohibited from attending classes, using any services or facilities of the University, and applying for any official documents. For students who become inactive from academic year 2015/2016 onwards, the maximum inactive duration is two semesters cumulatively. If inactive students wish to return to the University within the inactive duration, they must apply for re-admission of study. Re-admission of study is not granted automatically. It is with lower priority than resumption of study during application consideration and is subject to quota availability. Also, inactive students are with lower priority than withdrawn students for re-admission (See the item "Resumption/Re-admission of Study" for details).

X. RESUMPTION/RE-ADMISSION OF STUDY

1. Students who have deferred their studies and wish to return to the University should apply for resumption of study, while withdrawn, discontinued or inactive students should apply for re-admission of study.
2. Students returning to the University either through resumption or re-admission can continue their study with all the previous academic records. However, the procedures for resumption and re-admission are different from each other. Re-admission is with lower priority than resumption of study during application consideration and is subject to quota availability. Also, discontinued and inactive students are with lower priority than withdrawn students for re-admission.
3. It should be noted that the total duration for deferment of study, withdrawal of study, and inactive period should not exceed six semesters altogether, and the inactive period should not exceed two semesters independently. No resumption or re-admission of study will be considered if students cannot fulfil this duration requirement. In this case, all academic

records will be expired and students have to apply for admission if they wish to study at the University afterwards.

4. Procedures for Resumption of Study

When students apply for resumption of study, they should submit written applications to the Registry before class commencement of a certain semester for the approval from the Dean of the academic unit concerned. Any applications submitted on/after the first day of classes will be directly rejected by the Registry. The applicants must meet all the admission requirements prevailing at the time of resumption and successful applications will be effective in the specific semester required by the students.

In addition, all resuming students who have deferred their studies due to health issues are required to submit a Medical Examination Report (REG/Form/015) to the Registry during the resumption process. This report is to prove that the student has recovered from the health issues and is capable of pursuing his/her studies at the University. If a student has already had a medical check-up within three months prior to resumption, he/she may submit a certified true copy of that medical report.

5. Procedures for Re-admission of Study

When withdrawn and inactive students apply for re-admission of study, they should submit written requests to the Registry for the approval from the Dean of the academic unit concerned. For inactive students, they must make up the check-out procedures before applying for re-admission, however, they are not required to obtain approval from the Dean of the academic unit concerned for the check-out. Also, an administration fee will be charged for the late check-out procedures, and a re-admission fee based on the number of inactive semesters will be charged upon approval of re-admission (Please refer to "Fees and Other Charges" for the relevant fees). When discontinued students apply for re-admission of study, they should submit written requests to the Registry for the approval of the Vice Rector (Academic Affairs) with the recommendation from the Dean of the academic unit concerned. All re-admission application should be submitted to the Registry before class commencement of a certain semester and any applications submitted on/after the first day of classes will be directly rejected by the Registry. The applicants must meet all the admission requirements prevailing at the time of re-admission and successful applications will be effective in the following semester.

6. All resuming and re-admitted students should pay their tuition fees according to the tuition schemes of the resuming/re-admitted year and are required to check the study plan with the general office of the academic unit concerned.

Y. CHANGE OF PERSONAL INFORMATION

1. Students should inform the Registry immediately of any change of personal particulars entered in the students' registration records. For changes of address (such as home address, postal address and email address) and contact numbers, requests may be sent through email. For changes of other personal particulars, students must go personally to the Registry office and personal identification documents must be presented.
2. Application forms are obtainable from the Registry office or can be downloaded from the Registry's homepage. All current students can also directly change their addresses and telephone numbers through the University's Student Information Web Services (<https://isw.umac.mo>).
3. Other than changes of address or telephone number, applications for changing a student's registered particulars will not be accepted after graduation or withdrawal from the University.

Z. CERTIFICATION

1. Academic Transcripts and Testimonials

- a. An academic transcript is a certification of a student's record of academic performance at the University and it shows the student's grades obtained in a programme up to the latest final examination taken. Students can apply for transcripts after the e-academic reports have been released. A testimonial is a certification of the student's present registration status with regard to his/her studies at the University. Application forms may be obtained from the Registry office or can be downloaded from the Registry's homepage. The charge per copy may be found in "Fees and Other Charges". The completed form must be submitted to the Registry. If students submit their applications by post in Macao, a cheque or cashier's order for the amount due should be enclosed. For overseas applicants, payment must be paid by either cashier's order or bank draft; an additional handling fee will be charged. Please refer to "Fees and Other Charges" for further details.
- b. To avoid delay, please remember that requests for transcripts by other parties must bear the student's authorisation before the Registry can process the requests. During examination and assessment periods, the issuing of transcripts may be suspended or delayed.
- c. The University reserves the right to withhold an academic transcript or a testimonial from a student who has outstanding fees owing to the University, or who has otherwise failed to discharge all obligations towards to the University.

2. Certified True Copy of Academic Documents

Students may apply for certified true copies of academic documents issued by the University such as graduation certificates and academic transcripts from the Registry. Application forms for such copies are obtainable from the Registry office or can be downloaded from the Registry's homepage. Please refer to "Fees and Other Charges" for the relevant charges. However, the Registry will provide a free service to students who apply for admission to the programmes offered by the University.

AA. ACADEMIC HONESTY

Students should uphold the principle of academic integrity and pursue their studies with passion and honesty. They should avoid committing any act of academic dishonesty, including but not limited to cheating, fabrication, collusion and plagiarism. Plagiarism is a serious academic offence and the University shall penalize the student who is proved to have incorporated others' works as his/her own work according to the Student Disciplinary Regulations of the University of Macau (SAO.03/201406/100). Regarding the types and handling procedures of academic dishonesty, please refer to the Rules on Handling Student Academic Dishonesty (AAO-REG.04/201112/068).

ACADEMIC REGULATIONS AND RULES

Examination Rules

(Approved by the Senate on 23 September 2015)

GENERAL INSTRUCTIONS**1. Responsibility to Attend Examinations**

- a. Candidates are responsible for checking the dates, times and locations of their examinations from the examination schedules, and for presenting themselves for examination at the appointed place and time. Examination schedules will be announced by the Registry or academic unit one week prior to the examination period.
- b. Where all or part of the assessment for an examination is by means other than of a formally invigilated written examination, the instructor will announce details of the appropriate arrangements, and it is the candidate's responsibility to acquaint themselves with these details.
- c. A candidate who is unable to attend an examination under normal conditions because of illness, misadventure, or other extenuating circumstances, or who would be significantly disadvantaged if required to do so, may be permitted to sit the examination under special conditions. Such special arrangements, which may include (if necessary) additional time, a re-scheduling of the examination, the use of dictating or other faculties, and/or the use of premises outside the University, will be approved in advance by the University. In all other respects, the University regulations governing examinations will apply. Candidates requesting special arrangements on medical grounds will be required to substantiate their requests with a medical certificate or other documentary evidence. Candidates requesting special arrangements on other grounds may be required to reimburse the University for expenses incurred in such arrangements.
- d. A candidate is required to inform the academic units' office in writing immediately if for any reason he/she is unable to sit for an examination because of illness, accident or other causes, or if there is any factor arising immediately prior to or during the examination which the candidate believes could adversely affect his/her performance and which he/she wishes to be taken into account when assessing that performance. The candidate's letter must state clearly the examination in question, the cause of the absence or the manner in which the performance was affected, and must enclose the relevant supporting documentary evidence (e.g. medical certificates).
- e. Any candidate failing to give notice as specified in Examination Rule (1.d) above within seven working days after the examination to the academic units' office may lose the opportunity to have these circumstances taken into account or to appeal on these grounds against the decision of the Academic Council.
- f. No candidate's request to sit for examinations outside the specified periods of the Semester Dates will be accepted on the mere justification that he/she has to attend external examinations (e.g. TOEFL).

2. Use of Materials and Aids

- a. Candidates will provide themselves with the necessary writing and drawing tools.
- b. All questions in a written examination must be answered using only answer booklets, supplementary sheets and other materials provided by the University for that examination. Candidates at any examination, either written or practical, will not be permitted to have in their possession or to make use of any paper, books, notes, dictionaries, instruments, aids or other materials unless expressly authorized in the rubric of the examination paper.

Details of any such materials and aids which may be permitted in the examination will be provided to candidates in advance by the examiners. Authorized materials and aids will be subject to inspection by the invigilators.

- c. Where electronic calculators are permitted for use in an examination, these instruments should be non-programmable unless expressly allowed, hand-held, self-powered, and silent in operation. These should not possess any graphic or word-display facilities (e.g. Electronic dictionary, Databank watch.). Candidates may not use any external media associated with an electronic calculator, such as instruction booklets, magnetic cards or memory modules. Candidates are responsible for ensuring that their calculators are in working order, and have a sufficient power supply, and that alternative means of calculating are available in the event that their electronic calculators fail during an examination.
- d. Mathematical tables and all other materials provided by the University for use in examinations must not be removed by candidates from the examination venue.

3. Before the Examination

- a. Candidates are required to bring along their personal I.D. cards and student I.D. cards (Campus Cards) whenever they have an examination for verification purposes. Candidates who are unable to present their cards will not be allowed to write the examination.
- b. Invigilator should ensure that only examination candidates are allowed to enter the examination venue.
- c. Students should check their seat numbers, if any student cannot find his/her name on the seating plan, he/she should inform the Invigilator once admitted into the examination venue.
- d. Candidates will be admitted into the examination venue at least 5 minutes before the commencement of an examination. Candidates who arrive late and are admitted will not be given extra time. No candidate will be admitted into an examination venue 45 minutes after the commencement of an examination.

4. Entry to Examination Venue

- a. Candidates will not enter the examination venue until permitted to do so by an invigilator. Upon entering the examination venue, candidates become subject to the authority of the invigilators and must act according to any instructions given by an invigilator.
- b. Candidates are advised not to leave their study materials and personal property outside the entrance of the examination venue because of the risk having such items stolen. Such property should be deposited in a place well away from the candidates, as directed by the invigilator.
- c. Candidates with watch alarms or other apparatus which could create noise, e.g. calculators, mobile phones & pager etc. should switch them off.
- d. Candidates are not permitted to smoke, eat and drink during an examination.
- e. Candidates will observe silence within the examination venue except when it is necessary to communicate with an invigilator and that it will not cause any unnecessary distraction to other candidates. A candidate who persists in causing disturbance to other candidates after a warning may be required to discontinue the examination and leave the examination venue.

5. During the Examination

- a. Candidates will not start writing until given permission to do so by Invigilator.

- b. Candidates should first read through the whole question paper when an examination begins. If a wrong question paper was being handed out, or if the questions indicate that other materials should have been given out, but have not been, candidates should inform the invigilator immediately.
- c. Candidates should pay attention to any general directions which may be stated either on the cover page of the examination paper or at the beginning of each question. They should also listen carefully to the presiding invigilator's announcements.
- d. Candidates must write the subject title, subject code and their student number clearly on the front page of each answer booklet.
- e. Candidates must read the instruction printed on the examination question paper before doing the examination.
- f. No candidate will be permitted to leave the examination venue during the first 45 and last 15 minutes of the examination. A candidate wishing to leave the examination venue temporarily will be permitted to do so under the supervision of an invigilator.
- g. i) If circumstances arise during an examination which, in the opinion of the Invigilator, render it necessary for the examination to be cancelled or postponed, the Invigilator will stop the examination and, as soon as possible, arrange for the written scripts to be collected and report the matter to the respective academic unit.
ii) When a report is made under such circumstances, the academic unit will investigate the matter reported and take action as may be necessary. In the event another examination is ordered to be held, the new examination will be deemed to be the prescribed examination, and a report will be made to the Dean/Director of academic unit concerned.

6. Collection of Scripts

- a. During the last fifteen minutes of each examination period, students must remain in their seats until told to leave by the Invigilator.
- b. It is the responsibility of the candidate to ensure that all loose pages are securely fastened into the answer booklet and that all work which is to be considered by the examiners is handed in. No work that is removed by the candidate from the examination venue will be accepted for consideration by the examiners.

7. Conduct of Candidates

- a. Candidates will comply with all instructions given by an invigilator.
- b. Candidates will observe silence within the examination venue except when it is necessary to communicate with an invigilator, and that it will not cause any unnecessary distraction to other candidates. A candidate who persists in causing disturbance to other candidates after a warning may be required to discontinue the examination and leave the examination venue.
- c. No person may impersonate a candidate, nor may any candidate permit himself/herself to be impersonated at any examination.
- d. During an examination, candidates shall not communicate in any way with other candidates, nor give or receive any information, material or aid to or from other candidates, nor make use of any material or aid not specifically authorized for that examination.
- e. i) Candidate who is found cheating or misconduct will be informed by the Invigilator, who is empowered with the authority, of the Faculty concerned, to discontinue the examination. Expulsion from the examination venues should occur only when it is felt that such disciplinary action is essential.
ii) The Registry reserves the right to withhold issuing the results of examinations within the investigation period.

8. Disqualification

If any of the following circumstances arises during the examination, such behavior will be considered as cheating or misconduct, the candidate will be disqualified and a failed grade will be given for the course. In severe cases, a disciplinary panel may be called to handle the case. A record of such proceedings will be kept in the student's file:

- i) A candidate impersonates a candidate, or a candidate permits himself/herself to be impersonated.
- ii) A candidate improperly obtains knowledge of examination papers prior to the Examination.
- iii) A candidate is found to have any unauthorized article(s)/material(s) on/in the examination desk or on his/her person.
- iv) A candidate communicates or attempts to communicate improperly with any person inside or outside the examination venue.
- v) A candidate uses any unauthorized notes, books or electronic devices (e.g. Mobile phone, Electronic dictionary, Databank watch.).
- vi) A candidate copies from the work of another candidate.
- vii) A candidate leaves and enters the examination venue without permission.
- viii) A candidate who persists in causing noise/disturbance to other candidates after a warning.

9. Disturbance

In the case of disturbance during an examination (e.g. very loud external noise), the invigilator may authorize additional time after the scheduled to be given time.

10. Supplementary/Re-Sit Examination

a. Supplementary Examination

- i) A candidate who is not able to attend an examination due to sickness or any other special reason as approved by the Dean/Director of his/her academic unit may apply for a supplementary examination. If medical set up is required in the examination venue, he/she will have to submit medical certificate(s) or other supporting document(s) issued by a hospital recognized by the Government. All charges will be born by the candidate.
- ii) A student who is absent from an examination will be requested to submit a written request with valid reasons, under normal circumstances, to the Faculty office concerned within seven working days from the date on which the examination was held.
- iii) A candidate will lose his/her right to apply a supplementary examination if (10.a.ii) is not fulfilled.

b. Re-Sit Examination

A re-sit examination may be given to a student admitted or resuming in academic year 2015/2016 or before who fails a required course which is examined mainly for content and not mainly for skills (for example, language skills), according to the following guidelines:

- i) A student whose course semester average is below 40 percent is required to repeat the course and cannot register for a re-sit examination except in very special circumstances approved by the Dean/Director of his/her academic unit.
- ii) When a re-sit examination is given, the weight given to the examination in the course grading will be the same as the weight given to the original scheduled examination, as specified by the instructor in the course weightings approved by the Academic Council/Pedagogic Committee.
- iii) The grade of a student who takes a re-sit examination can be raised no higher than "D" (pass) regardless of the score achieved in the re-sit examination.

Students taking FBA courses are not allowed to apply for re-sit examination.

For students taking FAH or FSS courses, a re-sit examination will be permitted in FAH or FSS courses only if the student's class work average is 50% or above and course semester average is above 40%.

- iv) A student may take a re-sit examination for a failed course only once.
- v) A student is not allowed to take re-sit examination for more than two courses failed per semester.

Resit examinations are not applicable to students admitted or resuming in academic year 2016/2017 onwards.

- c. Supplementary/re-sit examinations are normally held two weeks after the end of the final examination period.
- d. Fee for Supplementary Examination/Re-Sit Examination
Administrative fee will be charged for the Supplementary Examination/Re-sit Examination and no action will be taken to update the student record if payment is not settled. Please refer to the Table of Fees for the relevant charges.

11. Appeal

- a. A candidate requesting a review of his/her examination performance will commence his/her appeal by sending to the faculty office a letter stating the grounds of the review and presenting relevant evidence within three weeks of the issue of the academic reports.
- b. A complaint about the academic judgment of an examiner or an Academic Council cannot be considered as valid grounds for an application for review.
- c. Every appeal case will be reviewed through the Academic Council only once and their conclusion will be the final decision of the case.
- d. The Academic Unit will inform the student in writing of the decision in each case.
- e. Under no circumstances will the examination script be released.

12. Cognizance of Examination Rules

Every candidate will be deemed to have both understood and accepted these examination rules.

Student Disciplinary Regulations of the University of Macau

(Approved by the University Council on 25 June 2014)

Article 1 Competence

1. These Internal Regulations are established by the University Senate in accordance with the provisions of Article 37 of the Charter of the University of Macau approved by the Executive Order No. 14/2006.
2. For the efficient performance of the power conferred by Sub-item (17) of Item 1 of Article 36 of the Charter of the University of Macau, approved by the Executive Order No. 14/2006, by virtue of the circumstances of any student disciplinary offence, the University Senate delegates the relevant power to the following authorities for disciplinary actions: Dean of Faculties, Head of Independent Academic Units, Dean of Students, Master of Residential Colleges, or the Student Disciplinary Committee.

Article 2 Scope of Application

These regulations apply to all students of the University of Macau.

Article 3 Offences

1. Any one of the following acts is considered as a disciplinary offence:
 - 1) any conduct seriously disturbing teaching, study, research, other academic activities, or operations of the University;
 - 2) any misuse of the facilities of the University, or unauthorized entry into or occupation of the reserved facilities of the University;
 - 3) any conduct detrimental to the reputation, liberty, safety or privacy of any member of the University (faculty, staff, students);
 - 4) any conduct detrimental to the reputation of the University;
 - 5) theft of or voluntary damage to the property of the University and its members;
 - 6) falsification or misuse of documents or records of the University;
 - 7) any form of cheating in assignments, tests, examinations, or violation of any of the regulations governing the conduct of examinations;
 - 8) any form of plagiarism in academic work;
 - 9) any misrepresentations or false statements made in any application or documents submitted to the University;
 - 10) failure to comply with directions of the University.
2. The nature, circumstances and consequences of the offences and the attitude of the offender shall be taken into consideration in imposing penalties.

Article 4
Disciplinary Authorities and Proceedings

1. The disciplinary authorities include: Dean of Faculties, Head of Independent Academic Units, Dean of Students, Master of Residential Colleges and the Student Disciplinary Committee.
2. Offences directly related to pedagogic issues shall be addressed to the Dean of the Faculty or Head of the Independent Academic Unit to which the student belongs.
3. Other offences shall be referred to the Dean of Students or Master of Residential Colleges, who shall handle the case or decide to refer it to the Student Disciplinary Committee.
4. The disciplinary authorities shall appoint a panel to investigate the offence or the complaint.
5. The panel shall have a minimum of three members, including representatives of Faculty, Independent Academic Unit or Residential College, Student Affairs Office and students.
6. The panel shall prepare a report not only to present the findings of its investigation but also to recommend related penalties.
7. The report shall be submitted within 10 working days after the appointment to this effect. The disciplinary authority concerned may decide to extend the time limit for the submission of the report for another 10 working days.
8. The related authority shall notify the student concerned in writing about the alleged offence in due course. The student may defend himself/herself within 10 working days after receiving the notification.
9. The disciplinary authority may require the student concerned to attend a hearing, or the student is entitled to request a hearing in his/her written defence. The disciplinary authority may also require other persons related to the offence to attend a hearing.
10. Default of the student shall not affect the decision made by the disciplinary authorities.
11. The disciplinary authority shall decide the case within 10 working days after hearing or receiving the student's defence. If additional proceedings are justified, the said period may be extended for another 10 working days.
12. All decisions made by disciplinary authorities shall be communicated in writing to the student concerned and recorded by the University.
13. The time limit for initiating disciplinary proceedings is one year after the offence was committed.

Article 5
Decision on Penalties Imposed by Disciplinary Authorities

1. The disciplinary authorities shall impose one or a combination of the following penalties on a student who has committed the offences defined in Article 3:
2. Penalties:

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- 1) attend educational or community programmes as deemed appropriate;
 - 2) receive verbal or written warning;
 - 3) make restitution or compensation, where applicable;
 - 4) receive suspension from class, any academic or other student rights, benefits, privileges and/or rights of using facilities for a specified period of time;
 - 5) record demerit(s);
 - 6) result in expulsion.
3. A total of three written warnings will result in one demerit.
 4. A total of three demerits may result in expulsion from the University.
 5. Any case which may result in expulsion shall be reviewed by the Student Disciplinary Committee. Case of expulsion from the University shall be approved by the Rector.

Article 6 **Accessory Penalties**

The relevant authorities may impose accessorially the suspension or the loss of scholarship, prizes or other academic rights or benefits of the student.

Article 7 **Student Disciplinary Committee**

1. The Student Disciplinary Committee is a standing committee of the University Senate and the members shall be appointed by the University Senate.
2. The Student Disciplinary Committee is a disciplinary authority which shall review and comment on any expulsion cases and review cases handled by Dean of Faculties, Head of Independent Academic Units, Dean of Students, or Master of Residential Colleges.
3. The Student Disciplinary Committee may advise and make recommendations on student disciplinary matters of the University.
4. The Student Disciplinary Committee shall reach its decision by a simple majority, meaning more than half of the valid votes cast.
5. The Student Disciplinary Committee shall consist of the following members:
 - 1) The Dean of Students, who shall be the Chair;
 - 2) The Registrar or his/ her representative;
 - 3) Two full or associate professors, recommended by the Rector;
 - 4) One administrative unit head, recommended by the Rector;
 - 5) One representative of the University of Macau Students' Union.
 - 6) One representative of the University of Macau Postgraduate Association.
6. The Student Affairs Office shall provide the Student Disciplinary Committee with the necessary technical and administrative support.
7. Conflict of interest with the student under investigation shall be avoided in the formation of the Student Disciplinary Committee:

- 1) All members shall have no conflict of interest with the student;
- 2) Members listed in Sub-items 1), 2), 5) and 6) above shall be represented by their delegate should they have any conflict of interest with the student, the delegate shall be appointed by the Rector.

Article 8 Appeal Process

1. An appeal against the decision that results in penalty imposed by the disciplinary authorities may be submitted to the Student Disciplinary Committee within 10 working days. Appeals must be in writing.
2. The Student Disciplinary Committee shall appoint an appeal panel of three members representing faculty, staff and students to handle the appeal case. The panel shall have no previous intervention in that specific case.
3. An appeal against the decision that results in penalty imposed by the Student Disciplinary Committee may be submitted to the Vice Rector (Student Affairs) within 10 working days. Appeal must be made in writing.
4. The Vice Rector (Student Affairs) shall appoint an appeal panel of three members, representing faculty, staff, and students to handle the appeal case. The panel shall have no previous intervention in that specific case.
5. The appeal panel shall review the case and make its recommendation.
6. The decision made by the Vice Rector (Student Affairs) is final.
7. When the decision involves expulsion penalty, the case shall be approved by the Rector.

Article 9 Report to the Academic Unit and Other Authorities

1. Any penalty imposed on a student shall be reported to the faculty or the Independent Academic Unit concerned and the Student Affairs Office or the Residential College. The record of the student will be taken into consideration before the award of any scholarship, prize and/or privilege.
2. Any penalty imposed on a student may be shared with the parents or guardians of the student depending on the nature of the case.
3. According to the law, any criminal or serious case shall be reported to the Rector and the authorities of justice of the Macao Special Administrative Region.

Article 10 Confidentiality

All the information of student disciplinary cases is strictly confidential. Disclosure of such information must be duly justified and approved by the Student Disciplinary Committee or the

Vice Rector (Student Affairs) in writing.

Article 11
Revision

These regulations are subject to revision by the University Senate.

Article 12
Other Specific Regulations and Rules

These Student Disciplinary Regulations do not prejudice the application of other specific regulations and rules and the penalties of academic and administrative units that are approved according to the regulations of the University.

ACADEMIC REGULATIONS AND RULES

Rules on Handling Student Academic Dishonesty

(Approved by Rector on 6 December 2011)

I. Types of Academic Dishonesty

This section aims to provide UM students an understanding of the most common types of academic dishonesty, with a focus on plagiarism.

Academic dishonesty may be broadly defined as any fraudulent actions or attempts by a person to use unauthorised or unacceptable means in any academic work. It is any type of cheating that occurs in relation to an academic exercise and can come in many different forms including cheating, fabrication, collusion, and plagiarism.

The following are some examples of academic dishonesty. These examples, however, are by no means exhaustive:

1. **Cheating** is intentionally using or attempting to use unauthorised materials, information, or study aids in any academic exercise. It includes but is not limited to:
 - Copying from another student during an exam or on an assignment;
 - Giving or receiving information during an exam;
 - Using unauthorised material during an exam;
 - Obtaining exam questions and/or answers from a student who has already taken the exam;
 - Asking someone to take an exam or write a paper on his/her behalf;
 - Collaborating on homework assignments, take-home tests and quizzes without authorisation from the instructor;
 - Submitting the same paper/thesis, or substantial portions of the same paper/thesis, for credit or degree more than once.
2. **Fabrication** is the invention or falsification of sources, citations, data, or results and recording or reporting them in an academic exercise. Examples include:
 - Citing a source that does not exist;
 - Making up or falsifying evidence or data or other source materials;
 - Falsifying research papers or reports by selectively omitting or altering data that do not support one's conclusions or claimed experimental precision.
3. **Collusion** is facilitation of dishonesty by helping other students engage in academic dishonesty. Though the facilitator may not benefit personally from providing assistance to another, the facilitator's act similarly violates academic integrity. Examples of collusion include:
 - Knowingly or negligently allowing one's work to be used by other students without prior approval from the instructor;
 - Knowingly allowing others to copy answers in exams, tests and other assignments;
 - Taking an exam or writing a paper for another student.
4. **Plagiarism** is defined as the appropriation of another person's ideas, processes, results or words without permission and/or due acknowledgment. It covers all forms of work submitted to the University for assessment (assignments, essays, take-home examinations, projects, theses and all other forms of coursework). Plagiarism is intellectual theft. When using another person's words, ideas or results, whether such words, ideas or results have been published or not, one must obtain permission and/or

give that person appropriate credit, or else one will be stealing the intellectual property belonging to another.

II. Plagiarism

Plagiarism has become more serious with the relative ease of reproducing information that is readily available from the Internet. Students have been discovered to have 'cut and pasted' materials from various electronic sources and passed them off as their own. In academia, plagiarism is regarded as academic dishonesty and a serious offence. Like other forms of academic dishonesty, students who have committed plagiarism will face disciplinary measures ranging from an F grade to expulsion from the University. Students are expected to read the Regulations of the Student Discipline of the University of Macau for the mechanism for handling student disciplinary cases.

Some students have claimed that they were not aware of committing plagiarism. Inadvertent plagiarism is nonetheless considered an offence. Lack of awareness is no excuse, and plagiarism, whether intentional or inadvertent due to ignorance or carelessness, is still a violation of academic integrity. After all, plagiarism is a simple concept of copying without proper acknowledgement. The University has made the Rules easily accessible and all students are expected to read and follow it. If any student has any questions about plagiarism or other issues pertaining to academic integrity, he/she should consult the instructor.

We must be careful to recognise the people from whom we borrow ideas, just as we expect others to acknowledge the ideas that we ourselves have worked hard to develop. To avoid plagiarism, every direct quotation must be identified by quotation marks or appropriate indentation and both direct quotation and paraphrasing must be cited properly according to the accepted format for the particular discipline or as required by the instructor in a course.

Obviously, if you make a copy of an assignment done by a classmate and submit it as your own, you are guilty of plagiarism but there are many other forms of plagiarism. Some common examples of plagiarism are:

1. Verbatim plagiarism or word-for-word plagiarism

The most common type of plagiarism is copying word for word from a source (e.g. the published works, the essays or theses of other persons, etc.) without using quotation marks and without citing the source. Even if you add some words of your own around the text that you copied directly from a source, you must identify the quote by placing quotation marks around it in order to distinguish it from your own words, and you must also acknowledge the source by providing a citation.

2. Substantial copying with minor modifications

If you reproduce another person's text with only minor changes, such as adding/deleting a few words, rearranging the order of words or phrases, and changing the sentence structure (e.g. using passive voice to replace active voice in the original), and do not give proper attribution, you are committing plagiarism.

3. Mosaic plagiarism

If you copy phrases or sentences from a source or a variety of sources or merely change a few words here and there, and then join those bits and pieces together without carefully identifying the quotes with quotation marks and citing the sources, the result is a mosaic of other people's ideas and words. You are responsible for making clear distinctions between your ideas and the ideas of the others who have informed your work and for following the correct citation style to avoid plagiarism.

4. Apt phrase

If you use an author's distinctive term or phrase without proper attribution, it is plagiarism. If you want to use the author's original words, you must put those words in quotation marks and provide a citation.

5. Paraphrase

Paraphrasing means taking another person's ideas and putting those ideas in your own words. Paraphrasing does not mean replacing a word or two in someone else's sentence with synonyms. When you paraphrase, your task is to distill the source's ideas in your own words and restate the ideas in your own words. It is a fine way to use another person's ideas to support your own argument as long as you attribute the material to the author and cite the source. However, if you rephrase someone else's text in your own words without attribution, you will be representing someone else's ideas as your own and that is plagiarism.

The rule of thumb here is simple: Whenever you use published ideas that are not your own, you need to give credit to the source and cite properly according to the accepted format for the particular discipline or as required by the instructor in a course (For unpublished ideas, on top of the above, you need to obtain permission from the author(s).). Make sure that the sources are properly referenced. Plagiarism occurs when you present as your own work, without due acknowledgment, any material that was obtained from another source, regardless of how or where you acquired it, and regardless of whether you committed plagiarism intentionally or unintentionally.

It is every student's duty to find out what plagiarism is. The University has set out these rules to provide more information but the above illustrations may not cover every situation. There are books explaining plagiarism and guides to referencing in the UM Library. If you feel uncertain about what constitute plagiarism and how to avoid it, consult your instructor or the Librarian.

Advanced technology has made plagiarism easier. At the same time, advanced technology has also made detection of plagiarism easier for instructors. It is highly likely that your fellow classmates are also referring to the same texts, and your instructor has probably read the sources before reading your paper. When you copy, the shift in writing style will also be obvious to your experienced instructor. Avoid plagiarism by all means. The University would like to remind all students that plagiarism is theft of someone else's work and it ruins the purpose of education. If you resort to copying due to pressure to meet assignment deadlines or insufficient understanding of the subject, or if you have difficulty in writing your paper and citing your sources properly, consult your instructor.

Submission of assignments, papers and theses electronically via UM's e-learning management system, namely UMMoodle, or another software system as prescribed by the University, is strongly advised across the entire University. With the integration of UMMoodle and the plagiarism prevention tool, Turnitin, made available to all UM teachers, instructors can now more easily evaluate the originality of students' works by comparing them with online sources and Turnitin-owned sources. For postgraduate theses, supervisors and examination committees at UM are strongly advised to check the submitted theses using the designated plagiarism detection software before proceeding with an examination even if the theses have not been submitted via UMMoodle. Should any student feel uncertain about how to submit assignments and theses via UMMoodle, please consult one of the UM staff members at the helpdesk of the Information and Communication Technology Office.

Effective from 1 January 2012, it is a university-wide requirement for students to submit a signed statement together with their theses (and other assignments as requested by individual teachers) to declare that they have not committed any type of academic dishonesty in their works and that they have included proper citations for all those materials extracted from other sources (see below a template for such a self-declaration). It is students' responsibility to ensure that they have not committed any type of academic dishonesty, instead of waiting for their instructors to

check and 'police' them.

Self-declaration template:

I declare that the thesis/assignment here submitted is original except for the source materials explicitly acknowledged and that this thesis/assignment, or parts of this thesis/assignment have not been previously submitted for the same degree/course or for a different degree/course.

I also acknowledge that I am aware of the Rules on Handling Student Academic Dishonesty and the Regulations of the Student Discipline of the University of Macau.

Signature

Date

Name

Student ID Number

Programme/Course Code

III. Procedures for Handling Student Academic Dishonesty

1. If the instructor suspects a student of committing an act of academic dishonesty in any academic exercise submitted for assessment, he/she can meet with the student individually and impose sanction(s) as appropriate except those as prescribed by the relevant regulations, if he/she believes that the nature of such act is not serious.
2. If the instructor suspects that a student has committed an act of academic dishonesty in any academic exercise submitted for assessment and considers the case more serious or complicated to be handled by himself/herself:
 - a. The instructor should report the matter as soon as possible, together with any relevant evidence, to his/her Department Head concerned or Programme Coordinator concerned in the absence of a Department Head;
 - b. The Department Head/Programme Coordinator should attach his/her comments, if any, and forward the case to the Dean/Director for handling.
3. The Dean/Director or his/her delegate should meet with the student and any other relevant parties to investigate.
4. After the meeting with the student and any other relevant parties, if the Dean/Director or his/her delegate is satisfied that no act of academic dishonesty has been committed, no further action will be taken and the case will be closed. A written report of the case should be kept by the academic unit concerned for record purpose.
5. If the student is proven guilty of the alleged offence, the Dean/Director may impose the following sanction, according to Item 1 of Article 5 of the Regulations of the Student

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- Discipline of the University of Macau, either singly or in combination as deemed appropriate, and the result will be reported in writing to the Student Disciplinary Committee for record:
- a. Verbal or written warning;
 - b. Reprimand;
 - c. Restitution or compensation, where applicable;
 - d. Suspension of any academic or other student rights, benefits, privileges and/or rights of using facilities for a specified period of time;
 - e. Recording a demerit.
6. The Dean/Director should inform the student in writing of the judgment and the sanction(s) and send the notification to the student by registered mail. The Dean/Director should also inform the Department Head/Programme Coordinator concerned of the disciplinary decision in writing. The case will then be closed at the academic unit level.
 7. If more severe sanctions are deemed necessary, the case will be sent to the Student Disciplinary Committee via the Dean/Director in accordance with Item 2 of Article 5 of the Regulations of the Student Discipline of the University of Macau, for the Committee to decide on the appropriate sanction. The composition of such Committee shall be defined by Item 1 of Article 9 of the Regulations of the Student Discipline of the University of Macau.
 8. Under the following circumstances, the academic unit may consider bringing the case to the Student Disciplinary Committee for further investigation and decision:
 - a. The Dean/Director or his/her delegate believes that he/she is not able to make a decision based on the available evidence;
 - b. The case is too severe or complicated to be handled by the academic unit concerned;
 - c. The case involves persons who are not members of the university community.
 9. If the Student Disciplinary Committee finds the student not guilty after an investigation, the case will be closed. A written report of the case should be kept by the Student Disciplinary Committee and a copy shall be sent to academic unit concerned for information and record.
 10. If the Student Disciplinary Committee finds the student guilty of academic dishonesty after an investigation, it may impose, apart from the sanctions in 5 (b)-(e) above, the following sanction in accordance with Item 1 of Article 6 of the Regulations of the Student Discipline of the University of Macau, either singly or in combination as deemed appropriate:
 - a. Suspension from the University for a specified period of time;
 - b. Expulsion from the University.
 11. Under special circumstances and subject to approval by the relevant authority, the Rector may impose on students/graduates sanctions which are not stipulated in the internal regulations and rules of the University of Macau, including but not limited to:
 - a. An F grade for the course taken;
 - b. Removal of course credits;
 - c. Retraction of a qualification granted by the University.
 12. In deciding on the sanction, the nature and gravity of the offence should be taken into account (such as the amount of work plagiarized, whether the offence is premeditated, etc.). The number of previous offences also needs to be taken into account. More serious punishments should be imposed for repeated offences.
 13. The Student Disciplinary Committee should inform the student in writing of the judgment and the sanction(s) and send the notification to the student by registered mail. The
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Student Disciplinary Committee should also inform the Dean/Director concerned, the Registrar and the Dean of Students of the disciplinary decision in writing.

14. Any sanction imposed on a student according to the Regulations of the Student Discipline of the University of Macau should be filed with the academic unit concerned and kept as part of the student's file.
15. To denote that the student has committed an academic offence in the course, a notation of academic dishonesty can be included on the student's transcript, at the discretion of the Student Disciplinary Committee. At the discretion of the academic unit concerned or the Student Disciplinary Committee, the student may be informed that the notation will be removed at graduation if he does not commit more than one offence. However, if he commits two or more offences, during the same term or in different terms, the notation will appear on the official transcript permanently.
16. An appeal against any fact finding or any sanction imposed by the Dean/Director may be made within 10 working days to the Student Disciplinary Committee according to Item 1 of Article 10 of the Regulations of the Student Discipline of the University of Macau. Appeals must be in writing and the proceeding and final decision with respect to the appeal should follow the stipulations in Items 5 to 8 of Article 4 of the Regulations of the Student Affairs of the University of Macau.
17. An appeal against any fact finding or any sanction imposed by the Student Disciplinary Committee may be made within 10 working days to the Rector according to Item 1 of Article 11 of the Regulations of the Student Discipline of the University of Macau. Appeals must be in writing and the composition of the appeal panel, the proceeding and final decision with respect to the appeal shall follow Items 3-5 of Article 11 of the Regulations of the Student Affairs of the University of Macau.

*Undergraduate
Curriculum Model
&
General Education
Programme*

Undergraduate Curriculum Model & General Education Programme

The following table shows the general curriculum model. With special approval, special major programmes (e.g. law, engineering, foreign languages, subject education) will be allowed to deviate from the model curriculum, i.e. having more major credits and fewer free elective credits. Special consideration and approval will be given on a case-by-case basis, especially if such deviations are needed to conform with the requirements of professional or external accreditation bodies.

Component		No. of credits	% of total no. of credits
1.	Major	60 – 66 [^]	50%
2.	General Education	36	28%
3.	Distribution/Diversity Electives (courses outside major*)	12	9%
4.	Free Electives (minor = 18 to 24 credits)	17 – 21	13%
Total no. of required credits		132 - 135 [^]	100%

[^] Except for pre-approved programmes whose maximum major credits can be up to 75 and total credits up to 144.

* The courses should be chosen from 4 or more different disciplines outside the student's own major programme.

With the increased free electives and distribution electives, students will enjoy more freedom and flexibility in choosing their courses. They could be more able to pursue a minor (with a minimum of 18 credits) or double minors.

General Education Program

Students admitted in academic year 2016/2017 are required to fulfil the current General Education Programme as follows:

General Education Theme/Area	No. of credits	General Education Courses	Suggested Year/Level
I. Language and Communication			
1. English Language * #	6	EELC110 Interactive English I EELC120 Interactive English II EELC130 Academic English	Year 1
2. Chinese/Foreign Language* #	3	CHIN111 Chinese Languages and Chinese Communities CHIN112 Chinese Language and Chinese Literature CHIN113 Chinese for Non-Native Speakers I CHIN115 Chinese for Professional Communication PORT113 Portuguese Language I – Introductory Portuguese	Year 1
3. Communication #	3	ENGB212 Creativity and Writing : English for a Global Readership	Year 2 to 4
		COMM316 Communicating in a Global Society GEGC311 Special Topics in Communication	Year 3 to 4
II. Science and Information Technology			
4. Mathematics/Quantitative Reasoning #	3	MATH112 Mathematics and Statistics for Everyday Life MATH113 Applications of Mathematics in Today's World GEGC111 Special Topics in Mathematics/Quantitative Reasoning	Year 1 to 2
5. Information Technology and Knowledge Society #	3	CISG111 Computing in Modern Society EBIS112 Contemporary Information Systems for Organizations CISG113 Information Security and Privacy CISG114 Web Technology and Life	Year 1 to 2
6. Physical Science and the World #	3	FSTG111 Exploring the Earth CHEM111 Chemistry and Modern Society ELEC111 Electricity and Life PHYS111 Physical Science – To Know The Natural Laws Around Us	Any Year
7. Life Science, Health and the Human Condition #	3	FEDG211 Wonders in Life Science and Health: Personal Health & Sustainability FHSG212 Wonders in Life Science and Health: Biomedical Science FSTG213 Wonders in Life Science and Health: Environmental Biology PSYC211 Wonders in Life Science and Health: Health Psychology	Year 2 to 4

General Education Theme/Area	No. of credits	General Education Courses	Suggested Year/Level
III. Society and Culture			
8. World Histories and Cultures #	3	HIST212 Global Issues in History and Culture GEGC211 Special Topics in World Histories and Cultures	Year 2 to 4
9. Macao, China and other Societies #	3	SOCY213 Environment and Humanity SOCY214 Macao in the Global Context SOCY215 Understanding Population GEGC212 Special Topics in Macao, China and other Societies	Year 2 to 4
10. Values, Ethics and Meaning of Life	3	FSHG212 Cultural Values and Global Justice FSHG213 Capitalism and Morality FSHG214 The Holocaust, Genocide and Human Rights FSHG215 Asian Values and Moral Traditions	Year 2 to 4
IV. Self-Development			
11. Physical Education (Pass/No Pass)	1	EDPE101 Wellness and Sport Practice	Any Year
12. Visual and Performing Arts # (Pass/No Pass)	2	EDPA211 Visual and Performing Arts - Visual Art EDPA212 Visual and Performing Arts - Drama EDPA213 Visual and Performing Arts - Music GEGC213 Special Topics in Visual and Performing Arts	Year 2 to 4
13. University Life (Pass/No Pass)	0	SAGE102 First-Year Experiential Learning	Year 1

* Students will be assigned to different levels/types of courses depending on their prior achievements or assessment results in the respective area before enrolment. Please refer to the Registry's homepage for details about the arrangement of English language courses (<http://reg.umac.mo/current-students/ge-prog/>).

For pre-approved programmes, these courses can be substituted by equivalent major prerequisite/foundation courses

For each general education course theme/area, students will be allowed to choose a course from a list of courses to be offered. However, within each area, at least 25% of the course materials should cover concepts, topics, and learning outcomes that are common to the area. These general education courses run throughout all 4 years. It must be pointed out that courses taken to fulfil general education requirement **will not be counted** towards the major, minor, distribution/diversity or free elective requirements.

In addition, some approved major programmes courses will be allowed to fulfil part of the university-wide general education requirements by equivalent foundation or preparative subjects. Each student is required to take at least 20 out of the 36 prescribed specific general education credit requirements. With prior approval, the remaining 16 general education credit can be substituted by their Year 1 and Year 2 equivalent major prerequisite/foundation/preparative courses.

The following pedagogical and assessment issues should be taken into account when designing and delivering GE courses:

- a. GE courses should be seen as inter-related and integrated. They are not simply introductory courses to a discipline. They should contribute to many of the intended learning outcomes.
- b. Their design should be cross-disciplinary, student-centred, learning outcome-based, inquiry-oriented, action-driven, and related to the students' life and their society.
- c. Innovative pedagogy and assessment methods are strongly encouraged to enable interactive learning to take place. Information technology and web-based resources could be explored to supplement/integrate with traditional face- to- face learning.
- d. Teaching general education is about determining the minimum common knowledge that all UM undergraduate students will possess after graduation and the enduring understandings that they will take away from the courses. Teachers should address the questions of "If this is the only course that the students are ever going to take in this area, what should they learn? And how will they gain enduring understandings and the ability to appreciate and value knowledge in this discipline area?"
- e. GE courses should encourage students to learn. They should expose our students to a way of thinking, and encourage them to be able to transfer skills, knowledge and values from one domain of knowledge to another.

General Education Regulations

(Revised and approved by the Senate on 8 June 2016)

The following regulations concern GE course selection. Please observe these regulations carefully in order to correctly select the GE courses needed to fulfill the GE Programme requirements.

- a. General Education Programme courses are divided into thirteen areas. Students will be required to choose one course from a list of courses offered within each area. For some Major Programmes, students are only allowed to take the specific GE course(s) prescribed by their Major Programmes.
- b. For some Major Programmes, there are also courses designated as approved substitute courses for some GE areas. Students of these Major Programmes are required to take those substitute course(s) prescribed by their Major Programmes in order to fulfill the GE requirement for the substituted GE areas.
- c. Courses taken to fulfill General Education requirement will not be counted towards the major, minor, distribution/diversity or free elective requirements.
- d. For Area 1, students are not allowed to take any English Language courses at a lower level than that of placement result level.
- e. After fulfilling the GE requirement, additional course(s) from the GE programme list can be taken as free electives subject to the restriction/regulation specified by the student's Major Programme.
- f. Students must also observe and follow any additional restrictions on GE courses selection which may be imposed by their Major Programmes.

Course Description

EELC110 INTERACTIVE ENGLISH I

This course, at 6 hours per week, boosts students' proficiency and confidence in English through their participation in a series of intensive English activities designed to enhance their listening, speaking, reading and writing skills, as well as enlarging their vocabulary. The focus in this course is on general language improvement, although, where possible, the themes and content covered will be of relevance to other courses taught in the General Education programme. An emphasis of this course is on developing students' spoken and written fluency in English. The purpose of the course is to begin the preparation of students for study using English as a medium of instruction. At the end of the course, the assessment will be partly based on an external standardized examination.

Pre-requisite: None

EELC120 INTERACTIVE ENGLISH II

This course, at 6 hours per week, builds on the skills and vocabulary taught in Interactive English I. Students will further enhance their proficiency and competence in English by participating in a more advanced series of language activities designed to improve their listening, speaking, reading and writing skills, as well as enlarging their vocabulary. The focus in this course is again on general language improvement, although, where possible, the themes and content covered will be of relevance to other courses taught in the General Education programme. An emphasis of this course is on developing students' spoken and written accuracy in English. At the end of the course, the assessment will be partly based on an external standardized examination.

Pre-requisite: Interactive English I or a required score in a placement test

EELC130 ACADEMIC ENGLISH

This course, at 3 hours per week, builds upon students' established competence in general English, and extends it by focusing on English for academic purposes. Students are introduced to study skills in English and the generic expectations of courses across the University curriculum. There will be an emphasis on the development of key academic vocabulary, and skills such as the proper citation of sources. The purpose of the Academic English course is further to support the students' ability to undertake instruction in the medium of English and to use spoken and written English effectively in their major and other GE courses.

Pre-requisite: Interactive English II, or a required score in a placement test

CHIN111 CHINESE LANGUAGES AND CHINESE COMMUNITIES

This course explores the development and diversity of Chinese languages in Chinese communities from sociolinguistic and global perspectives. It engages with topics such as Chinese languages and local cultures, Chinese dialects, language education and policy, language interaction, language use and attitude, etc. The course includes major discussions on the development of Chinese languages in Macao. This is a discussion-oriented, student-centered course in which all students are expected to engage in class discussions and critical analysis of the reading materials. The language used in the classroom is Putonghua.

Pre-requisite: None

CHIN112 CHINESE LANGUAGE AND CHINESE LITERATURE

This course covers topics such as characteristics of Chinese language, its significance as one of the global languages, its relationship with Chinese cultures and communities, and its expression in Chinese literature. The focus of the last topic may change in accordance with the expertise of individual instructors, possible areas including traditional Chinese poetry, traditional Chinese fiction and drama, modern Chinese literature, contemporary Chinese literature, and Chinese literature in the world. This is a discussion-oriented, student-centered course in which all students are expected to engage in class discussions and critical analysis of the reading

materials. The language used in the classroom is Putonghua.
Pre-requisite: None

CHIN113 CHINESE FOR NON-NATIVE SPEAKERS I

In this course, we learn Mandarin Chinese at a beginning level. It aims at students who have had no prior knowledge of the Chinese language. In the class, students work on massive oral exercises in order to build up and improve their Chinese pronunciation skills. The course helps students better understand Chinese by introducing them to fundamentals of Chinese syntax and morphology. The course also introduces various aspects of Chinese culture in order to reduce the cultural obstacles to Chinese language learning.

Pre-requisite: None

CHIN115 CHINESE FOR PROFESSIONAL COMMUNICATION

Communication is an important key for all aspects of social life, no matter it is on written or spoken. This course conducts students develop interpersonal skill and applied writing. Pragmatic theory will be an important principle and strategy for success in this course on widely used methods, techniques and depth analysis to enable students to master Chinese Communication and also improve their communication skills, applied writing. Effectively improve students' communication skill will be a great achievement for expression skill on other GE courses no matter on written and spoken, and also as an enhancement on their knowledge skill in the future.

Pre-requisite: None

PORT113 PORTUGUESE LANGUAGE I – INTRODUCTORY PORTUGUESE

This is a practical introduction to the Portuguese language involving training in basic language skills involved in basic social interaction, while at the same time introducing students to certain key aspects of the culture of the Portuguese Speaking World. Emphasis will be given to aural comprehension and basic spoken communication, while introducing the student to reading of simple texts and writing. The course is designed to provide initial communication skills in the Portuguese language.

Pre-requisite: None

ENGB212 CREATIVITY AND WRITING: ENGLISH FOR A GLOBAL READERSHIP

In this course students learn to express themselves creatively in their own words. While the main emphasis is on story making, students experience a range of creative texts (including stories, poems, songs and films), as models for their own imaginative work. Students will learn to write simple texts in key creative genres: for instance the poem, the story and life writing (biography and autobiography). Learning to tell and write stories, individually and in groups, students gain confidence in expressing themselves and in constructing a narrative basis for points of view. Working from lecture to discussion mode, class time is largely devoted to understanding how simple stories work and to practising basic techniques of storytelling. Group work, in-class performance and publication are important aspects of this practical, text-making course. Reading and homework assignments set from week to week challenge the student to create engaging work in the form of a story, from memory and experience. Assessment is by individual portfolio including an agreed combination of individual and group work in different genres.

Pre-requisite: None

COMM316 COMMUNICATING IN A GLOBAL SOCIETY

This course will equip students to become effective communicators in a globally interconnected knowledge society by developing their ability to both communicate their own ideas and to analyze and evaluate the communication of others. Through individual and collaborative exercises and assignments students will learn how to analyze audiences, choose proper communication channels, and design and deliver effective oral and written messages. The aim of the course is to make each student a more competent and confident communicator.

Pre-requisite: None

GEGC311 SPECIAL TOPICS IN COMMUNICATION

The content of the course will vary dependent upon the special topics offering. The course will address the intended Area 3 learning outcomes and equip students to become effective communicators in a knowledge-based society by developing their ability to communicate their own ideas and evaluate the communication of ideas by others. Through individual and collaborative learning exercises and assignments students will develop the ability to analyze audiences, design, deliver, and evaluate oral, written and digital communications. The course fulfills the General Education Area 3 requirement.

Pre-requisite: None

MATH112 MATHEMATICS AND STATISTICS FOR EVERYDAY LIFE

This course stresses the prevalence, relevance, and practicality of mathematics and statistics in modern society. A brief history of mathematics is also included. The first part of the course includes examples to help students in understanding and modeling real world problems with mathematics. The second part of the course will help students develop skills in statistical thinking and reasoning through the use of real world examples from the fields of economics, business, psychology, sociology, and political science. The mathematical and statistical techniques needed are taught via hands-on applications.

Pre-requisite: None

MATH113 APPLICATIONS OF MATHEMATICS IN TODAY'S WORLD

This course stresses the prevalence, relevance, and practicality of mathematics in modern society. Numerous real world examples, such as games, time value of money, and voting methods and strategies will expose non-specialists to contemporary mathematical thinking. The mathematical techniques involved are taught via hands-on applications. A brief history of mathematics is also included.

Pre-requisite: None

GEGC111 SPECIAL TOPICS IN MATHEMATICS/QUANTITATIVE REASONING

The content of the course will vary dependent upon the special topics offering. The course will address the intended Area 4 learning outcomes by focusing on the prevalence, relevance and practicalities of mathematics and its applications in today's world. The course will use real-world examples to engage students in mathematical thinking, problem solving and applications of math in everyday life. Mathematical concepts, techniques and thinking are taught by hands-on minds-on applications. The course fulfills the General Education Area 4 requirement.

Pre-requisite: None

CISG111 COMPUTING IN MODERN SOCIETY

Computing in Modern Society explores the impact of computer in modern society. Designed to attract a diverse undergraduate audience with different exposure to technology, the course provides an introduction to the basic knowledge and skills for an efficient, responsible and creative use of computer. General overview includes the fundamental concepts and principles of hardware architecture, organization and components; software uses, applications and development; data processing and information systems; and basic features of networking, together with the societal, legal and ethical issues and implications of computing in our daily lives.

Pre-requisite: None

EBIS112 CONTEMPORARY INFORMATION SYSTEMS FOR ORGANIZATIONS

This course provides a comprehensive introduction to the evolving field of information systems (IS) from an organizational perspective. A wide range of topics are covered beginning with the fundamentals of systems, information, organizations, the underlying information Technology (IT) as well as the ethical issues for IS/IT in today's enterprises. A contemporary perspective on IT is provided by emphasizing current topics (e.g. IT infrastructure and the Internet technology) before presenting the E-commerce and E-business developments which are radically transforming the traditional organizations and our lives. Throughout the course, we explore

implications of this new IS/IT - digital firm – scenario for corporate management in today's global business environments.

Pre-requisite: None

CISG113 INFORMATION SECURITY AND PRIVACY

This course exposes the student to a broad range of computer systems and information security topics. It is designed to provide a general knowledge of information security and privacy, including basic concepts, terminologies, and social issues. This course outlines the methods of protecting data security by following the procedure of capturing, processing and utilizing data. It combines core information technology concepts such as Internet, communication, database, etc, with the social and ethical concerns regarding security and privacy. This course introduces each important area from both the user and the IT professional's perspective, lays out the security vulnerabilities and possible threats, and follows technical and legal countermeasures to address them.

Pre-requisite: None

CISG114 WEB TECHNOLOGY AND LIFE

Web Technology and Life is a one-semester course for students to explore the impact, in our daily lives, of modern Web tools including selected topics such as Blogs, Podcasts, Wikis, RSS, Social Bookmarks/Networking, Virtual Worlds, e-Business Models, and e-Government initiatives. The course is designed to help the casual computer users understand the latest in free and inexpensive Web tools and their power for research, collaboration, and communication. It provides the history, background, and perspectives of Web 2.0 technologies to demystify the jargons connected with the latest Web phenomena.

Pre-requisite: None

FSTG111 EXPLORING THE EARTH

An introduction to basic concepts of physical science. An introduction to the major principles of physical geology covering the structure of the Earth, plate tectonics, volcanism and other mountain building processes, the surface erosion process, and the formation of properties of minerals and rocks.

Pre-requisite: None

CHEM111 CHEMISTRY AND MODERN SOCIETY

This course is designed for students that are non-chemistry majors and will be taught with a physical science basis. Firstly, overview of physical science will be introduced. Then, this course will emphasize the related application of chemistry that can benefit modern society. It provides an introduction to the study of the properties and changes in matter. Course emphasizes topics such as: classification of matter, chemical nomenclature, structure of atoms and compounds, the mole, chemical reactions, solids, liquid and gases.

Pre-requisite: None

ELEC111 ELECTRICITY AND LIFE

This course is about the study of physical science for non-engineering students with emphasis on basic electricity related topics. The focus of the course is not only the elementary physics of electricity; but also enlightening applications in Energy, Telecommunication and Health of electricity for the human life. Some site visits and experimental demonstrations are also arranged to provide hand-on experiences and insights for the students on the relative topics.

Pre-requisite: None

PHYS111 PHYSICAL SCIENCE – TO KNOW THE NATURAL LAWS AROUND US

The scope of content covers the point of views and principles in the natural world and in the daily subjects related to sciences. The development and the applications in physical sciences are also introduced. The course is for one semester including lectures and activities of labs, demos, company visit, group discussion, exercise practices and tests.

Pre-requisite: None

FEDG211 WONDERS IN LIFE SCIENCE AND HEALTH: PERSONAL HEALTH & SUSTAINABILITY

The purpose of this course is to understand the principles and concepts of health and hygiene, to examine the human behavior factors that affect their engagement in daily life and to learn the sustainable methods and practice on health. Topics such as stress and health, physical activity and health, nutrition and health, weight management, drugs abuse, knowledge about HIV and AIDS, emergency and first aid, social well-being and mental health will be examined.

Pre-requisite: None

FHSG212 WONDERS IN LIFE SCIENCE AND HEALTH: BIOMEDICAL SCIENCE

This course will introduce students to the fundamental principles as well as cutting edge information of life science in the context of human health concern and interest in modern society. The selected topics will include fundamental concepts of biomedical science and relevant applications in the field of, but not limited to, epidemiology, neuroscience, personalized medicine, infectious diseases, cancer, pharmaceuticals, and aging.

Pre-requisite: None

FSTG213 WONDERS IN LIFE SCIENCE AND HEALTH: ENVIRONMENTAL BIOLOGY

Throughout this course, students can better understand the unity and diversity of life interacting with the surrounding environments. Such major topics as population ecology, community interactions, ecosystems/biogeochemical cycles, biosphere and human impact on biosphere, and animal and social behavior will be covered. Students will also learn the unifying concepts in biology, the cellular basis and the ongoing flow of life, plant and animal systems and their control, and ecology and behavior; and so that students will be able to exploit biological processes and appreciate the importance of the quality of environment.

Pre-requisite: None

PSYC211 WONDERS IN LIFE SCIENCE AND HEALTH: HEALTH PSYCHOLOGY

The purpose of this course is to introduce students to how psychology can help people live longer and stay healthier. It will examine the role of psychological factors in physical well-being and illness. Specifically, focus is put on how psychological aspects and factors contribute to the prevention and treatment of illness, recovery from illness, and the promotion and maintenance of good health. Topics covered include field research methods, health enhancing and compromising behaviors, stress and coping, social support, pain and its management, and the role of psychological and social factors in the etiology and course of chronic and terminal illness in contemporary society. Overall, positive health psychology will be the main focus of the course.

Pre-requisite: None

HIST212 GLOBAL ISSUES IN HISTORY AND CULTURE

This course will provide an historical perspective for selected contemporary global issues. Through the study of specific case studies students will develop a clearer understanding and appreciation of historical processes. The aim of this course is to understand the variety of ways that the past has been brought into and understood in the present, rather than a comprehensive survey of a limited time and place. Students will also learn about the core concepts of history, culture, and globalization, which will be discussed in the context of the contemporary global issues that are the focus of each class. Each semester instructors will select pertinent "global issues" for inclusion in this course (one topic per section).

Pre-requisite: None

GEGC211 SPECIAL TOPICS IN WORLD HISTORIES AND CULTURES

The content of the course will vary dependent upon the special topics offering. The course will address the intended Area 8 learning outcomes by using historical knowledge and perspectives to enable students to appreciate and understand the importance of history and culture, how historical knowledge is constructed and used, and the ways that history has been brought into and understood in the present. Students will learn core concepts of history and culture, and how

these concepts have shaped, history, knowledge and society. The course fulfills the General Education Area 8 requirement.

Pre-requisite: None

SOCY213 ENVIRONMENT AND HUMANITY

This course examines the complex and often problematic relationships and connections between humans and natural and built environments. How do environments shape cultures and societies? How do societies and cultures shape environments? What effects does this interaction have on both the natural world and on human life? What are some of the cultural, social, and ecological consequences of development, globalization, economic growth and affluence? How are communities around the world working to manage, protect and improve their natural and built environments? Starting with Macao and China, we will address these questions by examining how cultures and societies construct knowledge about nature and attribute value to it, how they use or abuse environments and resources, and how human activity, culture and social organization have always been deeply linked to the natural, material world. We will also examine how factors such as gender, race, class, ethnicity, and cultural/historical experience influence the ways people perceive, understand, relate to, and are affected by the environments in which they live. In understanding these issues, we will use social science theories and concepts such as social stratification, social interaction, and continuity and change. We will bridge sociology, anthropology, history, political science, economics, and psychology, and will do a comparative analysis between Macao, China, and other societies.

Pre-requisite: None

SOCY214 MACAO IN THE GLOBAL CONTEXT

This course intends to familiarize students with the political, economic and social aspects of Macao society as they are related to Chinese, Portuguese and other societies. We will also discuss social issues and problems facing Macao today as a multicultural society. We will examine issues like the political and economic transformations of Macao over the past 450 years, the clash and cooperation of civilizations, religious life of both Chinese and Portuguese peoples, literature and the arts in and about Macao, and social issues and problems. By the end of the class, students should have a clear idea and a critical understanding of Macao's past, present, and future in relation to the social development in mainland China, and other societies. In understanding these issues, we will use the social science theories and concepts such as social stratification, social interaction, and continuity and change. We will bridge sociology, anthropology, history, political science, economics, and psychology, and will do a comparative analysis between Macao, China, and other societies.

Pre-requisite: None

SOCY215 UNDERSTANDING POPULATION

This course provides an overview of how social factors can influence population characteristics and how the characteristics of population in turn affect society. We will focus on three primary demographic processes: mortality, fertility and migration. We will learn basic concepts, theories and measurements of each process from both historical and comparative approach. We will apply these basic demographic concepts to contemporary population issues such as concerns over the persistent low, below-replacement fertility level and the aging of the population in Macao, the consequences of the internal migration on urbanization in China or other developing countries. Population literacy is therefore an important part of an individual's knowledge to understand current social, economic and political debates. In addition, population literacy is essential for yourself as you think about planning your own life in terms of human capital investments, marriage, fertility, labor force participation, saving, migration and many related aspects. In understanding these issues, we will use the social science theories and concepts such as social stratification, social interaction, and continuity and change. We will bridge sociology, anthropology, history, political science, economics, and psychology, and will do a comparative analysis between Macao, China, and other societies.

Pre-requisite: None

GEGC212 SPECIAL TOPICS IN MACAO, CHINA AND OTHER SOCIETIES

The content of the course will vary dependent upon the special topics offering. The course will address the intended Area 9 learning outcomes by focusing on the political, economic and social aspects of Macao, China and Other societies. The course will use a multi-disciplinary approach to focus on important social issues and problems facing today's multi-cultural societies in greater China and beyond. The course will examine how factors such as gender, race, class, ethnicity, and cultural/historical experiences influence the ways people perceive, understand, relate to and are affected by the physical and social environments in which they live. The course fulfills the General Education Area 9 requirement.

Pre-requisite: None

FSHG212 CULTURAL VALUES AND GLOBAL JUSTICE

Does the claim to global justice offer a groundwork for transnational values or is it itself an integral part of "global capitalism" or "Western hegemony"? Is our moral vision a mere reflection of our cultural preferences and biases? If not, what may serve as the grounds on which the moral judgments of distinct civilizations can be rationally assessed, criticized or justified? In this course we will seek to address these timely questions by focusing on contemporary debates over globalization, global justice, and the "clash of civilizations."

Pre-requisite: None

FSHG213 CAPITALISM AND MORALITY

This course investigates the relationship between capitalism and morality. After tracing the religious roots of capitalism, central features such as the free exchange of products, private property, ideology, and alienation will be systematically elaborated. Different forms such as corporate, free markets, and casino capitalism will be distinguished and related to questions of legitimization, justice and the good life. During the second half of the course we will analyze the impact of global capitalism on culture and politics. Finally, we will pursue the question whether it is still possible to conceive of reasonable alternatives to capitalist modes of production.

Pre-requisite: None

FSHG214 THE HOLOCAUST, GENOCIDE AND HUMAN RIGHTS

This course introduces students to the Holocaust, the systematic murder of the Jews of Europe by the Nazi regime between the years 1939 and 1945. In seeking to understand how the Holocaust happened, students will be introduced first to concepts like racial prejudice and other forms of discrimination, anti-Semitism, and the role of nationalism in creating concepts of the Other. The course will study the rise of the Nazi Party in Weimar Germany, its accession to power in 1933 and the systematic denigration of, and discrimination against, Jews from the years 1933 to 1939. The course will discuss the power of propaganda, the effects of discriminatory laws excluding Jews from all areas of public life and how these lead first to the mass murder of Jews in eastern Europe (Operation Barbarossa) and then the Final Solution, with the establishment of death camps, of which Auschwitz-Birkenau is but the most infamous. This course will also address the issue of genocide, how the Holocaust led to the concept of genocide, first described as such by Raphael Lemkin in 1943 and subsequent international treaties seeking to prevent further genocides. The course will look at other genocides, including Armenia, Cambodia, Rwanda, and Darfur. Special attention will also be paid to the Japanese invasion of China, the Nanjing Massacre and Unit 731 in Manchuria.

Pre-requisite: None

FSHG215 ASIAN VALUES AND MORAL TRADITIONS

This course introduces students to the major moral traditions (Hinduism, Buddhism, Confucianism, Daoism, Shinto and Bushido) in Asia. Close attention is given to the basic values and ethical categories (karma, samsara, moksha, dharma, ren, li, tao etc.) that have informed Asian moral discourse, with special reference to the pivotal role of these values and categories in shaping social, economic, and political life in Asian societies. The first half of the course will concern South Asia, primarily India, while the second half, East Asia, primarily China and Japan.

Pre-requisite: None

EDPE101 WELLNESS AND SPORT PRACTICE

Physical Education (PE), which is composed of theory and sport practice with individual and team sports, provides a general overview divided into two parts. Part I covers sport relevant theories including the function of sports in life, sports injury prevention & treatment, and physical fitness & exercise prescription while Part II is skill-based practice in both team and individual sports.

After completing the PE study, students will not only meet individual need and develop the concept of total well-being, but also can apply and transfer what they have learned to their lifestyle and lifelong activities. Students are expected to achieve general standards in their chosen sports.

Pre-requisite: Students are recommended to do health and fitness assessment

EDPA211 VISUAL AND PERFORMING ARTS - VISUAL ART

Artworks of different genres have been delighting people from all ages and all places. We enjoy their beauty and their articulation, but we know nothing or very little about their creation process. The practice of aesthetic appreciation of art not only enables us to enjoy art through deeper understanding of the works, but also enables us to recognize and realize our creative potential and capability, as well as cultivates and broadens our vision of artistic culture. The course will be taught in two parts: Firstly, Introduction to visual and performing arts, which includes common lectures on What is Art? Art and Culture, Understanding Art Genres, Approaches to Art Appreciation. Secondly, Introduction to Visual Arts Appreciation, which includes lectures designed to equip the students with basic knowledge of the different visual art forms and teach them how to appreciate and interpret such artworks by illustrating the relationship between form/style to theme/culture. Masterpieces from different regions/places reveal not merely local colors, but also profound cultural contents, echoing profound problems of life for seeing and understanding the world.

Pre-requisite: None

EDPA212 VISUAL AND PERFORMING ARTS – DRAMA

This course is composed of two major components, art introduction and drama performance. This course acquaints students with vocabulary and concepts for critiquing and analyzing visual and performing arts; it examines the function of arts from social and global perspectives; and it encourages students to develop judgment in visual and performing arts' analysis and criticism. Students will gain an overview of the historical movements and ideas in different forms of arts across eras and cultures. In the drama performance component which follows, students will be introduced to the form and function of dramatic literature in its relationship to theatrical performance. Study of plays as texts leads into the rehearsal and performance of short plays.

Pre-requisite: None

EDPA213 VISUAL AND PERFORMING ARTS - MUSIC

The music course aims to provide fundamental knowledge of music to all UM students so as to encourage them to experience and enjoy music in their lives. This introductory course of music covers scopes of both Western and Oriental music which include their historical development/styles, musicians and their composition/performance. Traditional academics focus mainly on Western music. However, in this era, world music is gaining more attention than before as the concept of globalization is getting its role. Therefore, this course covers one-third of contents in Oriental music. The general education of music helps students to appreciate and enjoy music listening with comprehension. As the result, students' attitude and experience toward arts enhanced and elevated.

Pre-requisite: None

GEGC213 SPECIAL TOPICS IN VISUAL AND PERFORMING ARTS

The content of the course will vary dependent upon the special topics offering. The course will address the intended Area 12 learning outcomes by looking at the language, theories, aesthetics and applications of the visual and performing arts through historical and/or modern contexts. Students will gain an understanding and appreciation of how the arts, e.g. paintings,

sculpture, dance, drama, music, etc. and their combinations are interwoven throughout human existence and how they impact the individual and society. Students will analyze artistic form and function and grapple with the questions "What is art?" and "What make something artistic?" The course fulfills the General Education Area 12 requirement.

Pre-requisite: None

SAGE102 FIRST-YEAR EXPERIENTIAL LEARNING

This course will use information obtained in the first offerings of SAGE100 to refine and improve the course. This two-semester course is designed to orient first-year students to collegial life, living and learning opportunities, and RC learning goals at the University of Macau. It provides active learning opportunities which enable students to take responsibility for their transition to university and RC life. The course also serves the function of forming student learning communities, which, facilitated by RC faculty, encourage students to explore a wide range of experiential learning activities in RC competency areas (Global Citizenship, Cultural Engagement, Healthy Living, Interpersonal Relations and Teamwork, Leadership and Service) while documenting and assessing their personal growth in an e-portfolio. Students are responsible for submitting e-portfolio project(s). The course runs parallel to and complements the University's RC requirements for first-year students. Students enrolled in the course develop skills while gaining knowledge and experiences which equip them for the successful completion of the RC requirements and achievement of RC learning goals for first-year students. (SAO topics from the former SASG100 "University Life" will be made available to students in a variety formats as a supplement to this RC course.)

Pre-requisite: None

Programmes of Study

(Subject to Revision)

PROGRAMMES OF STUDY

Faculty of Arts and Humanities

PhD Programmes

AREAS OF STUDY

- Linguistics (Chinese)
- Literary Studies (Chinese)
- Linguistics (English)
- Literary Studies (English)
- Applied Linguistics (Portuguese)
- Literary and Intercultural Studies (Portuguese)
- Philosophy and Religious Studies

PhD Programmes

■ Linguistics (Chinese)

For students who admitted with a relevant Master's degree		Credits
<i>Courses</i>		
FAHC800	Research Ethics	0
FAHC801	University Teaching	0
CHIN801	Academic Writing	2
CHIN800	Research Methods for Advanced Studies in Chinese	3
CHIN813	Advanced Topics in Chinese Linguistics	3
Total Credits:		8

For students who admitted without a relevant Master's degree	Credits
<i>In addition to the above, students are required to take the following course:</i>	12
4 courses chosen from the MA in Chinese Linguistics programme*	

*Selected by the supervisor

Doctoral Thesis	Credits
CHIN899 Doctoral Thesis	18

These courses should normally be completed before the Oral Defence. Students who fail a compulsory course on the first attempt should re-take the course. A student who is unable to pass a retaken course on a second attempt may be required to discontinue his or her studies.

FACULTY OF ARTS & HUMANITIES

PhD Programmes

■ Literary Studies (Chinese)

For students who admitted with a relevant Master's degree		Credits
<i>Courses</i>		
FAHC800	Research Ethics	0
FAHC801	University Teaching	0
CHIN801	Academic Writing	2
CHIN800	Research Methods for Advanced Studies in Chinese	3
CHIN842	Advanced Topics in Chinese Literature	3
Total Credits:		8

For students who admitted without a relevant Master's degree	Credits
<i>In addition to the above, students are required to take the following course:</i>	12
4 courses chosen from the MA in Chinese Literature programme*	

*Selected by the supervisor

Doctoral Thesis	Credits
CHIN899 Doctoral Thesis	18

These courses should normally be completed before the Oral Defence. Students who fail a compulsory course on the first attempt should re-take the course. A student who is unable to pass a retaken course on a second attempt may be required to discontinue his or her studies.

PhD Programmes

■ Linguistics (English)

For students who admitted with a relevant Master's degree **Credits**

Courses

FAHC800	Research Ethics	0
FAHC801	University Teaching	0
ENGL816	Advanced Research Writing	3
ENGL890	Practice of Scholarship I	3
ENGL813	Special Topics in English Linguistics	3

Total Credits **9**

For students who admitted without a relevant Master's degree **Credits**

In addition to the above, students are required to take the following course:

ENGL815	Research Writing	3
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Doctoral Thesis **Credits**

ENGL899	Doctoral Thesis	18
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These courses should normally be completed before the Oral Defence. Students who fail a compulsory course on the first attempt should re-take the course. A student who is unable to pass a retaken course on a second attempt may be required to discontinue his or her studies.

FACULTY OF ARTS & HUMANITIES

PhD Programmes

■ Literary Studies (English)

For students who admitted with a relevant Master's degree **Credits***Courses*

FAHC800	Research Ethics	0
FAHC801	University Teaching	0
ENGL816	Advanced Research Writing	3
ENGL890	Practice of Scholarship I	3
ENGL814	Special Topics in English Literary Studies	3

Total Credits **9**
For students who admitted without a relevant Master's degree **Credits***In addition to the above, students are required to take the following course:*

ENGL815	Research Writing	3
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Doctoral Thesis **Credits**

ENGL899	Doctoral Thesis	18
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These courses should normally be completed before the Oral Defence. Students who fail a compulsory course on the first attempt should re-take the course. A student who is unable to pass a retaken course on a second attempt may be required to discontinue his or her studies.

PhD Programmes

■ Applied Linguistics (Portuguese)

Regular Track

For students who admitted with a relevant Master's degree **Credits**

Courses

FAHC800	Research Ethics	0
FAHC801	University Teaching	0
PORT808	Advanced Research and Academic Writing in Portuguese Studies	3
PORT809	Cross-language Topics in Applied Linguistics	3

Total Credits:	6
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For students who admitted without a relevant Master's degree **Credits**

In addition to the above, students are required to take the following course:

PORT806	Fundamental Readings in Portuguese Studies I	3
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Total Credits:	3
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For students who admitted without any Master's degree* **Credits**

In addition to the above, students are required to take the following course:

PORT807	Fundamental Readings in Portuguese Studies II	3
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Total Credits:	3
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Doctoral Thesis **Credits**

PORT899	Doctoral Thesis	18
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**For students, who admitted without any Master's degree can only be admitted to the regular track and will have to complete Fundamental Readings in Portuguese Studies I and Fundamental Readings in Portuguese Studies II in the first two years.*

In-service Track**For students who admitted with a relevant Master's degree** **Credits***Courses*

FAHC800	Research Ethics	0
FAHC801	University Teaching	0
PORT808	Advanced Research and Academic Writing in Portuguese Studies	3
PORT809	Cross-language Topics in Applied Linguistics	3
PORT806	Fundamental Readings in Portuguese Studies I	3

Total Credits: **9**
For students who admitted without a relevant Master's degree **Credits***In addition to the above, students are required to take the following course:*

PORT807	Fundamental Readings in Portuguese StudiesII	3
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Total Credits: **3**
Doctoral Thesis **Credits**

PORT899	Doctoral Thesis	18
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These courses should normally be completed before the Oral Defence. Students who fail a compulsory course on the first attempt should re-take the course. A student who is unable to pass a retaken course on a second attempt may be required to discontinue his or her studies.

PhD Programmes

■ Literary and Intercultural Studies (Portuguese)

Regular Track

For students who admitted with a relevant Master's degree **Credits**

Courses

FAHC800	Research Ethics	0
FAHC801	University Teaching	0
PORT808	Advanced Research and Academic Writing in Portuguese Studies	3
PORT810	New Trends in Portuguese Literary and Intercultural Studies	3

Total Credits:	6
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For students who admitted without a relevant Master's degree **Credits**

In addition to the above, students are required to take the following course:

PORT806	Fundamental Readings in Portuguese Studies I	3
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Total Credits:	3
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For students who admitted without any Master's degree* **Credits**

In addition to the above, students are required to take the following course:

PORT807	Fundamental Readings in Portuguese Studies II	3
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Total Credits:	3
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Doctoral Thesis **Credits**

PORT899	Doctoral Thesis	18
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**For students, who admitted without any Master's degree, can only be admitted to the regular track and will have to complete Fundamental Readings in Portuguese Studies I and Fundamental Readings in Portuguese Studies II in the first two years.*

In-service Track**For students who admitted with a relevant Master's degree** **Credits***Courses*

FAHC800	Research Ethics	0
FAHC801	University Teaching	0
PORT808	Advanced Research and Academic Writing in Portuguese Studies	3
PORT810	New Trends in Portuguese Literary and Intercultural Studies	3
PORT806	Fundamental Readings in Portuguese Studies I	3

Total Credits: **9**
For students who admitted without a relevant Master's degree **Credits***In addition to the above, students are required to take the following course:*

PORT807	Fundamental Readings in Portuguese Studies II	3
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Total Credits: **3**
Doctoral Thesis **Credits**

PORT899	Doctoral Thesis	18
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These courses should normally be completed before the Oral Defence. Students who fail a compulsory course on the first attempt should re-take the course. A student who is unable to pass a retaken course on a second attempt may be required to discontinue his or her studies.

PhD Programmes

■ Philosophy and Religious Studies

For students who admitted with a relevant Master's degree		Credits
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Courses

FAHC800	Research Ethics	0
FAHC801	University Teaching	0
PHRS804	Special Topics in Philosophy and Religion I	3
PHRS806	Research Writing in Philosophy and Religious Studies	3

Total Credits:	6
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For students who admitted without a relevant Master's degree		Credits
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In addition to the above, students are required to take the following course:

PHRS805	Special Topics in Philosophy and Religion II	3
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Total Credits:	3
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Doctoral Thesis		Credits
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PHRS899	Doctoral Thesis	18
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These courses should normally be completed before the Oral Defence. Students who fail a compulsory course on the first attempt should re-take the course. A student who is unable to pass a retaken course on a second attempt may be required to discontinue his or her studies.

FACULTY OF ARTS & HUMANITIES

Master's Degree Programmes**Chinese Linguistics with an option of Academic Thesis**

Year I	Credits
<u>Semester I:</u>	
Compulsory Courses:	
CHIN700 Chinese Thought and Culture	3
CHIN704 Perspectives in Humanities I	1
CHIN710 Topics in Theories of Chinese Linguistics	3
CHIN711 Methods in Chinese Linguistics	3
Students should select one course from the list of elective courses	3
<u>Semester II:</u>	
Compulsory Courses:	
CHIN702 Perspectives in Humanities II	1
CHIN712 Studies on Chinese Sociolinguistics	3
Students who choose academic thesis should select two courses from the list of the elective courses or from any other programs in the department and FAH (with approval from supervisors)	6
Total Credits	23
Year II	Credits
Compulsory Courses:	
CHIN798 Academic Thesis	6
CHIN703 Perspectives in Humanities III	1
Total Credits	7
Grand Total:	30

List of Elective Course

CHIN713	Studies on Classical Chinese
CHIN714	Studies on Modern Chinese
CHIN715	Topics in Chinese Linguistics I
CHIN716	Topics in Chinese Linguistics II
CHIN717	Studies on Chinese Grammar
CHIN718	Studies on Chinese Phonology
CHIN719	Topics in Chinese Linguistics III

Master's Degree Programmes

Chinese Linguistics with an option of Applied Thesis

Year I	Credits
<u>Semester I:</u>	
Compulsory Courses:	
CHIN700 Chinese Thought and Culture	3
CHIN704 Perspectives in Humanities I	1
CHIN710 Topics in Theories of Chinese Linguistics	3
CHIN711 Methods in Chinese Linguistics	3
Students should select one course from the list of elective courses	3
<u>Semester II:</u>	
Compulsory Courses:	
CHIN702 Perspectives in Humanities II	1
CHIN712 Studies on Chinese Sociolinguistics	3
Students who choose applied thesis should select three courses from the list of elective courses or from any other programs in the department and FAH (with approval from supervisors)	9
Total Credits	26
Year II :	Credits
Compulsory Courses:	
CHIN797 Applied Thesis	3
CHIN703 Perspectives in Humanities III	1
Total Credits	4
Grand Total:	30

List of Elective Course

CHIN713	Studies on Classical Chinese
CHIN714	Studies on Modern Chinese
CHIN715	Topics in Chinese Linguistics I
CHIN716	Topics in Chinese Linguistics II
CHIN717	Studies on Chinese Grammar
CHIN718	Studies on Chinese Phonology
CHIN719	Topics in Chinese Linguistics III

FACULTY OF ARTS & HUMANITIES

Master's Degree Programmes**Chinese Literature with an option of Academic Thesis**

Year I	Credits
<u>Semester I:</u>	
Compulsory Courses:	
CHIN700 Chinese Thought and Culture	3
CHIN704 Perspectives in Humanities I	1
CHIN740 Topics in Traditional Chinese Literature	3
CHIN741 Topics in Modern Chinese Literature	3
Students should select one course from the list of elective courses	3
<u>Semester II:</u>	
Compulsory Courses:	
CHIN702 Perspectives in Humanities II	1
CHIN742 Topics in Literary Theory	3
Students who choose academic thesis should select two courses from the list of the elective courses or from any other programs in the department and FAH (with approval from supervisors)	6
Total Credits	23
Year II :	Credits
Compulsory Courses:	
CHIN798 Academic Thesis	6
CHIN703 Perspectives in Humanities III	1
Total Credits	7
Grand Total	30

List of Elective Course

CHIN743	Methods in the Study of Traditional Chinese Literature
CHIN744	Methods in the Study of Modern Chinese Literature
CHIN745	Topics in Chinese Literature I
CHIN746	Topics in Chinese Literature II
CHIN747	Topics in Traditional Chinese Literary Genres
CHIN748	Topics in Modern Chinese Literary Genres
CHIN749	Topics in Chinese Literature III

Master's Degree Programmes

Chinese Literature with an option of Applied Thesis

Year I	Credits
<u>Semester I:</u>	
Compulsory Courses:	
CHIN700 Chinese Thought and Culture	3
CHIN704 Perspectives in Humanities I	1
CHIN740 Topics in Traditional Chinese Literature	3
CHIN741 Topics in Modern Chinese Literature	3
Students should select one course from the list of elective courses	3
<u>Semester II:</u>	
Compulsory Courses:	
CHIN702 Perspectives in Humanities II	1
CHIN742 Topics in Literary Theory	3
Students who choose applied thesis should select three courses from the list of elective courses or from any other programs in the department and FAH (with approval from supervisors)	9
Total Credits	26

Year II :	Credits
Compulsory Courses:	
CHIN797 Applied Thesis	3
CHIN703 Perspectives in Humanities III	1
Total Credits	4
Grand Total	30

List of Elective Course

CHIN743	Methods in the Study of Traditional Chinese Literature
CHIN744	Methods in the Study of Modern Chinese Literature
CHIN745	Topics in Chinese Literature I
CHIN746	Topics in Chinese Literature II
CHIN747	Topics in Traditional Chinese Literary Genres
CHIN748	Topics in Modern Chinese Literary Genres
CHIN749	Topics in Chinese Literature III

FACULTY OF ARTS & HUMANITIES

Master's Degree Programmes**English Studies (Linguistics and Literature) with an option of Applied Thesis**

Year I	Credits
Compulsory Course, Semester I: ENGL701 Understanding and Interpreting Research	3
3 Elective Courses, Semester I: <i>students have to choose linguistics or literature courses</i>	9
Compulsory Course, Semester II: None	--
4 Elective Courses, Semester II: <i>students have to choose linguistics or literature courses</i>	12
Total Credits	24

Year II	Credits
Compulsory Course, Semester I: None	--
1 Elective Course, Semester I: <i>students have to choose linguistics or literature courses</i>	3
Compulsory Course, Semester II: ENGL795 Applied Thesis	3
Elective Course, Semester II: None	--
Total Credits	6

* Students should choose courses from the Elective Course lists in Linguistics and Literature and are allowed to take up to two courses (6 credits) from any other programme/major (within FAH), with the permission of the MA Coordinator.

Master's Degree Programmes

English Studies (Linguistics) with an option of Applied Thesis

Year I	Credits
Compulsory Course, Semester I: ENGL701 Understanding and Interpreting Research	3
3 Elective Courses, Semester I: <i>students have to choose linguistics or literature courses</i>	9
Compulsory Course, Semester II: None	--
4 Elective Courses, Semester II: <i>students have to choose linguistics or literature courses</i>	12
Total Credits	24

Year II	Credits
Compulsory Course, Semester I: None	
1 Elective Course, Semester I: <i>students have to choose linguistics or literature courses</i>	3
Compulsory Course, Semester II: ENGL795 Applied Thesis	3
Elective Course, Semester II: None	--
Total Credits	6

* Students should choose courses from the Elective Course lists in Linguistics and Literature and are allowed to take up to two courses (6 credits) from any other programme/major (within FAH), with the permission of the MA Coordinator. Students should take at least 4 electives from Linguistics course list and write their thesis on a Linguistics topic in order to qualify for a 'labelled' degree.

FACULTY OF ARTS & HUMANITIES

Master's Degree Programmes**English Studies (Literature) with an option of Applied Thesis**

Year I	Credits
Compulsory Course, Semester I: ENGL701 Understanding and Interpreting Research	3
3 Elective Courses, Semester I: <i>students have to choose linguistics or literature courses</i>	9
Compulsory Course, Semester II: None	--
4 Elective Courses, Semester II: <i>students have to choose linguistics or literature courses</i>	12
Total Credits	24

Year II	Credits
Compulsory Course, Semester I: None	--
1 Elective Course, Semester I: <i>students have to choose linguistics or literature courses</i>	3
Compulsory Course, Semester II: ENGL795 Applied Thesis	3
Elective Course, Semester II: None	--
Total Credits	6

* Students should choose courses from the Elective Course lists in Linguistics and Literature and are allowed to take up to two courses (6 credits) from any other programme/major (within FAH), with the permission of the MA Coordinator. Students in this track should take at least 4 electives from the Literature course list and write their thesis on a Literature topic in order to qualify for a 'labelled' degree.

Master's Degree Programmes

English Studies (Linguistics and Literature) with an option of Academic Thesis

Year I	Credits
Compulsory Course, Semester I: ENGL701 Understanding and Interpreting Research	3
3 Elective Courses, Semester I: <i>students have to choose linguistics or literature courses</i>	9
Compulsory Course, Semester II: None	--
4 Elective Courses, Semester II: <i>students have to choose linguistics or literature courses</i>	12
Total Credits	24

Year II	Credits
Compulsory Course: ENGL796 Academic Thesis	6

** Students should choose courses from the Elective Course lists in Linguistics and Literature and are allowed to take up to two courses (6 credits) from any other programme/major (within FAH), with the permission of the MA Coordinator.*

FACULTY OF ARTS & HUMANITIES

Master's Degree Programmes**English Studies (Linguistics) with an option of Academic Thesis**

Year I	Credits
Compulsory Course, Semester I: ENGL701 Understanding and Interpreting Research	3
3 Elective Courses, Semester I: <i>students have to choose linguistics or literature courses</i>	9
Compulsory Course, Semester II: None	--
4 Elective Courses, Semester II: <i>students have to choose linguistics or literature courses</i>	12
Total Credits	24

Year II	Credits
Compulsory Course: ENGL796 Academic Thesis	6

* Students should choose courses from the Elective Course lists in Linguistics and Literature and are allowed to take up to two courses (6 credits) from any other programme/major (within FAH), with the permission of the MA Coordinator. Students should take at least 4 electives from Linguistics course list and write their thesis on a Linguistics topic in order to qualify for a 'labelled' degree.

Master's Degree Programmes

English Studies (Literature) with an option of Academic Thesis

Year I	Credits
Compulsory Course, Semester I:	
ENGL701 Understanding and Interpreting Research	3
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3 Elective Courses, Semester I:	9
<i>students have to choose linguistics or literature courses</i>	
Compulsory Course, Semester II:	
4 Elective Courses, Semester II:	12
<i>students have to choose linguistics or literature courses</i>	
Total Credits	24

Year II	Credits
Compulsory Course:	
ENGL796 Academic Thesis	6

* Students should choose courses from the Elective Course lists in Linguistics and Literature and are allowed to take up to two courses (6 credits) from any other programme/major (within FAH), with the permission of the MA Coordinator. Students in this track should take at least 4 electives from the Literature course list and write their thesis on a Literature topic in order to qualify for a 'labelled' degree.

Compulsory Courses

ENGL701 Understanding and Interpreting Research

Elective Courses in Linguistics

ENGL703 Linguistics Research Methods
 ENGL704 Comparative Chinese – English Structure
 ENGL705 Course Design for ELL
 ENGL706 Current Trends and Issues in Language Learning
 ENGL707 Descriptive Linguistics
 ENGL708 First Language Acquisition
 ENGL710 Language Variation
 ENGL711 Materials in TESL/TEFL
 ENGL712 Phonology

ENGL713	Psycholinguistics
ENGL714	Research Design
ENGL715	Second Language Acquisition
ENGL716	Second Language Teaching and Learning
ENGL717	Sociolinguistics
ENGL718	Syntax - The Structure of English
ENGL753	Discourse Analysis
ENGL754	Evaluation and Assessment of Language Use
ENGL755	History of English
ENGL756	Special Topics in Linguistics
ENGL772	World Englishes
ENGL774	Bilingualism
ENGL775	Cognitive Linguistics
ENGL777	Media Discourse
ENGL776	Corpus Linguistics

Elective Courses in Literature

ENGL719	Children's Literature
ENGL720	China in English Literature
ENGL721	Cinema Studies
ENGL722	Colonial and Postcolonial Writing
ENGL724	Cultural Theory and Literary Criticism
ENGL725	Drama & Theatre Studies
ENGL726	Eighteenth-Century English Literature
ENGL727	English Literature Before Shakespeare
ENGL728	Literary Linguistics
ENGL729	Modernity in English Literature
ENGL730	Poetics
ENGL731	Romanticism
ENGL732	Victorian Novels and Poetry (1840 – 1870)
ENGL757	Genre Studies
ENGL758	The Novel in English
ENGL759	Shakespeare
ENGL760	Special Topics in Literature
ENGL761	Survey of World Poetries
ENGL762	Women's Writing
ENGL773	Creative Writing

Master's Degree Programmes

Portuguese Language and Culture with specialization in Applied Linguistics

Year I	Credits
Compulsory Courses, Semester I:	
PTLG700 Linguistics Method I	3
PTLG702 Advanced Portuguese for Language Professionals I	3
Elective Course, Semester I:	3
One course chosen from the List of Elective Courses from the Applied Linguistics	
Compulsory Courses, Semester II:	
PTLG701 Linguistics Method II	3
PTLG703 Advanced Portuguese for Language Professionals II	3
Elective Course, Semester II:	3
One course chosen from the List of Elective Courses from the Applied Linguistics	
Total Credits	18

Year II	Credits
Required Elective Courses, Semester I:	6
Two Courses chosen from the List of Elective Courses from the Applied Linguistics	
Elective Course, Semester I:	3
One course chosen from within the Master Programmes offered by the Faculty of Arts and Humanities relevant to the Programme	
Compulsory Courses, Semester II:	
PTLG713 Thesis and Research Writing Seminar	3
PTLG798 Academic Thesis	6
Total Credits	18

List of Elective Courses	Credits
PTLG702 Advanced Portuguese for Language Professionals 1	3
PTLG703 Advanced Portuguese for Language Professionals 2	3
PTLG704 The Process of Language Acquisition(L1 and L2)	3
PTLG705 Methodology of Teaching Portuguese as a Foreign Language	3
PTLG706 Curriculum Planning and Materials Evaluation for Portuguese as a Foreign Language	3

PTLG707	Theory and Methodology of Reading in Portuguese as a Foreign Language	3
PTLG708	Supervised Teaching Planning and Practice in Portuguese as a Foreign Language	3
PTLG709	Portuguese Sociolinguistics	3
PTLG710	Special Topic in Portuguese Applied Linguistics I	3
PTLG711	Special Topic in Portuguese Applied Linguistics II	3
PTLG712	Literary Studies Theory	3

* Courses from any other programme/major include specializations and require the permission of the MA Coordinator.

Master's Degree Programmes

Portuguese Language and Culture with specialization in Literature and Cultural Studies

Year I	Credits
Compulsory Courses, Semester I:	
PTAH700 Historical & Cultural Studies Method I	3
PTLG702 Advanced Portuguese for Language Professionals I	3
	3
Elective Course, Semester I:	
One course chosen from the List of Elective Courses from the Literature & Cultural Studies	
Compulsory Courses, Semester II:	
PTAH701 Historical and Cultural Studies Method II	3
PTLG703 Advanced Portuguese for Language Professionals II	3
	3
Elective Course, Semester II:	
One course chosen from the List of Elective Courses from the Literature & Cultural Studies	
Total Credits	18

Year II	Credits
Required Elective Courses, Semester I:	
Two Specialization Course Chosen from the Literature & Cultural Studies	6
Elective Course, Semester I:	
One course chosen from within the Master Programmes offered by the Faculty of Arts and Humanities relevant to the Programme	3
Compulsory Courses, Semester II:	
PTLG713 Thesis and Research Writing Seminar	3
PTLG798 Academic Thesis	6
Total Credits	18

List of Elective Courses	Credits
PTAH702 Portugal in The Asia-Pacific Region	3
PTAH703 History of Portuguese Maritime Expansion	3
PTAH704 History of Macao Under the Portuguese	3
PTAH705 Modern Lusophone Literature	3
PTAH706 Relations Between China and the Portuguese-Speaking Countries	3

PTAH707	Images of The East in Portuguese Language Literature	3
PTAH708	Macao Literature in Portuguese	3
PTAH709	Special Topic in Literature and Cultural Studies I	3
PTAH710	Special Topic in Literature and Cultural Studies II	3
PTAH711	Intercultural Communication	3
PTAH712	Grammar and Communication	3
PTAH713	Special Topic In Literature And Cultural Studies I	3
PTAH714	Special Topic In Literature And Cultural Studies II	3
PTAH715	Intercultural Communication	3
PTAH716	Grammar And Communication	3
PTLG712	Literary Studies Theory	3

* Courses from any other programme/major include specializations and require the permission of the MA Coordinator.

Master's Degree Programmes

Translation Studies (English – Chinese) with an option of Applied Thesis

Year I	Credits
Compulsory Courses:	
TRSL700 Comparative Language Studies for Translation	3
TRSL701 Theoretical Concepts of Translation Studies	3
TRSL702 Translation Technology	3
4 Elective Courses chosen from the List of Elective Courses	12
Total Credits	21

Year II	Credits
Compulsory Courses:	
TRSL703 Research Design and Writing	3
TRSL797 Applied Translation Studies Thesis	3
1 Elective Course chosen from the List of Elective Courses	3
Total Credits:	9

* Students are allowed to take no more than two courses (6 credit hours) from any other MA programme, with the permission of the MA Coordinator.

FACULTY OF ARTS & HUMANITIES

Master's Degree Programmes**Translation Studies (English – Chinese) with an option of Academic Thesis**

Year I	Credits
Compulsory Courses:	
TRSL700 Comparative Language Studies for Translation	3
TRSL701 Theoretical Concepts of Translation Studies	3
TRSL702 Translation Technology	3
TRSL703 Research Design and Writing	3
4 Elective Courses chosen from the List of Elective Courses	12
Total Credits:	24

Year II	Credits
Compulsory Course:	
TRSL798 Translation Studies Thesis	6

* Students are allowed to take no more than two courses (6 credit hours) from any other MA programme, with the permission of the MA Coordinator.

Master's Degree Programmes

Translation Studies (Portuguese – Chinese) with an option of Applied Thesis

Year I	Credits
Compulsory Courses:	
TRSL700 Comparative Language Studies for Translation	3
TRSL701 Theoretical Concepts of Translation Studies	3
TRSL702 Translation Technology	3
4 Elective Courses chosen from the List of Elective Courses	12
Total Credits:	21

Year II	Credits
Compulsory Courses:	
TRSL703 Research Design and Writing	3
TRSL797 Applied Translation Studies Thesis	3
1 Elective Course chosen from the List of Elective Courses	3
Total Credits:	9

* Students are allowed to take no more than two courses (6 credit hours) from any other MA programme, with the permission of the MA Coordinator.

FACULTY OF ARTS & HUMANITIES

Master's Degree Programmes**Translation Studies (Portuguese – Chinese) with an option of Academic Thesis**

Year I	Credits
Compulsory Courses:	
TRSL700 Comparative Language Studies for Translation	3
TRSL701 Theoretical Concepts of Translation Studies	3
TRSL702 Translation Technology	3
TRSL703 Research Design and Writing	3
4 Elective Courses chosen from the List of Elective Courses	12
Total Credits:	24

Year II	Credits
Compulsory Course:	
TRSL798 Translation Studies Thesis	6

* Students are allowed to take no more than two courses (6 credit hours) from any other MA programme, with the permission of the MA Coordinator.

**List of Elective Courses of Translation Studies
(English - Chinese/Portuguese - Chinese)**

TRSL710	Chinese – English Translation
TRSL711	English-Chinese Translation
TRSL714	Chinese – Portuguese Translation
TRSL715	Portuguese – Chinese Translation
TRSL716	Interpreting I Chinese/Portuguese
TRSL717	Interpreting II Chinese/Portuguese
TRSL718	English – Portuguese Translation
TRSL719	Portuguese – English Translation
TRSL720	Interpreting I English/Portuguese
TRSL721	Interpreting II English/Portuguese
TRSL740	A Discoursal Approach to Translation Studies
TRSL742	Cultural Issues in Translation
TRSL743	Gender in Translation Studies
TRSL744	History, Culture and Translation
TRSL745	Literary Translation
TRSL746	Literature, Culture and Translation: Language and Ideology
TRSL747	Reading Translated Works

TRSL748	Special topic in Translation I
TRSL749	Special topic in Translation II
TRSL750	Special topic in Translation III
TRSL751	Special topic in Translation IV
TRSL752	Translating Cultures
TRSL753	Translating for the Media
TRSL754	Translation and Comparative Literature
TRSL755	Translation of Legal Texts
TRSL757	Translation of Texts in Popular Culture
TRSL758	Translation of Texts in the Arts
TRSL759	Translating Texts in Social Sciences
TRSL760	Translation Criticism and Assessment
TRSL761	Translation Project
TRSL762	Translation Pedagogy
TRSL763	Translation for Administration and Commerce
TRSL764	Audio-visual Translation
TRSL765	Theories and Practice of Interpreting
TRSL766	Consecutive Interpreting
TRSL767	Simultaneous Interpreting
TRSL768	Conference Interpreting

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Bachelor's Degree Programmes**Chinese Language & Literature**

Year I	Credits
CHNB110 Modern Chinese Language	3
CHNB111 Modern Chinese Literature	3
CHNB220 Introduction to Chinese Linguistics	3
CHNB121 Contemporary Chinese Literature	3
SAGE102 First-Year Experiential Learning	0
2 General Education Courses - "English Language" Courses	6
2 Required Elective Courses	6
2 Free Elective Courses	6
General Education Courses	6
Total Credits	36

Year II	Credits
CHNB210 Classical Chinese Language I	3
CHNB211 Classical Chinese Literature: Pre-Qin to Tang and Five Dynasties	3
CHNB222 Classical Chinese Language II	3
CHNB221 Classical Chinese Literature: Song to Qing Dynasties	3
General Education Courses	12
2 Required Elective Courses	6
2 Distribution/ Diversity Courses	6
Total Credits	36

Year III	Credits
CHNB310 Language Comparison	3
CHNB320 Literary Theory and Criticism	3
General Education Courses	6
2 Required Elective Courses	6
2 Distribution/ Diversity Courses	6
2 Free Elective Courses	6
Total Credits	30

Year IV		Credits
CHNB410	Traditional Chinese Literary Theory	3
CHNB411	Thesis I	3
CHNB420	Comparison between Chinese and Foreign Literatures	3
CHNB421	Thesis II	3
General Education Courses		6
2 Required Elective Courses		6
2 Free Elective Courses		6
Total Credits		30

Required Elective Courses

CHNB120	Modern Chinese Grammar and Pragmatics
CHNB150	Cantonese Language and Culture
CHNB151	Chinese Sociolinguistics
CHNB152	Classical Chinese Poetry
CHNB153	Classical Chinese Fiction
CHNB156	Selected Readings in Chinese Historiography
CHNB250	Topics in Modern and Contemporary Chinese Writers
CHNB251	World Chinese Literature
CHNB252	Classical Chinese Prose
CHNB253	Readings in Pre-Qin Classics
CHNB350	Chinese Philology
CHNB351	Readings of Chinese Linguistics Work
CHNB352	Bibliography
CHNB353	South China Literature and Culture
CHNB450	Language Analysis and Research
CHNB451	Special Topics in Chinese Linguistics
CHNB452	Topics in Classical Chinese Literature
CHNB453	History of Chinese Thought
CHNB456	Special Topics in Chinese Linguistics II

List of more Free Elective Courses

CHNB154	Creative Writing
CHNB155	Popular Literature and Culture
CHNB254	Poetry of Tang-Song Period
CHNB255	Readings in Modern and Contemporary Works
CHNB256	Languages and Dialects Spoken in Hong Kong and Macao
CHNB257	Book Editing Knowledge and skill
CHNB354	Chinese Dialectology
CHNB355	Classical Chinese Drama
CHNB356	Chinese Etymology and Semantics
CHNB357	Contemporary Practical and Pragmatic Writing
CHNB358	Special Topics in the Literature and Culture of Macao
CHNB359	Special Topics in Chinese Culture and Fine Arts
CHNB360	Wen Xin Diao Long
CHNB454	Readings in Chinese Classics
CHNB455	Chinese Phonetics and Phonology
CHNB457	Special Topics in Literary Criticism
CHNB458	Selected Readings in Western Literature
CHNB459	Special Topics in Literature and Arts

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Bachelor's Degree Programmes**English Studies**

Year I	Credits
ENGB110 Introduction to Literary Studies I	3
ENGB111 Introduction to The Study Of Language	3
ENGB120 Introduction to Literary Studies II	3
ENGB121 Describing the Sounds of English	3
SAGE102 First-Year Experiential Learning	0
General Education Courses*	12
4 Distribution/Diversity Courses	12
Total Credits	36

Year II	Credits
ENGB210 Survey of English Literature I	3
ENGB211 Introduction to English Grammar	3
ENGB220 Survey of English Literature II	3
ENGB221 Language and Society	3
General Education Courses*	18
2 Free Elective Courses	6
Total Credits	36

Year III	Credits
ENGB310 20 th Century and Contemporary Literature in English I	3
ENGB311 Working with Spoken Discourse	3
ENGB320 20 th Century and Contemporary Literature in English II	3
ENGB321 Language and Meaning	3
General Education Courses*	6
2 English Major Required Elective Courses	6
2 Free Elective Courses	6
Total Credits	30

Year IV	Credits
1 Research and Internship Elective Course	3
7 English Major Required Elective Courses	21
2 Free Elective Courses	6
Total Credits	30

* Please note students admitted to the Bachelor of Arts in English Studies Programme in 2014/2015 and onwards need to take courses ENGB112 ACADEMIC WRITING FOR STUDENTS OF ENGLISH I (3 credits) and ENGB122 ACADEMIC WRITING FOR STUDENTS OF ENGLISH II (3 credits) as the General Education "English Language" courses.

English Major Required Elective Courses:

ENGB330	Bilingualism
ENGB331	Bilingualism and Discourse
ENGB332	The Discourses of The News
ENGB333	Linguistics and Literature
ENGB334	Language and Cognition
ENGB335	Syntax
ENGB336	Syntactic Theory
ENGB337	Language Acquisition
ENGB338	Language and Gender
ENGB339	Principles of Language Change
ENGB340	World Englishes
ENGB341	Advanced English Phonology
ENGB342	Advanced English Structure
ENGB343	Language In Interaction
ENGB344	Morphology
ENGB345	Corpus Linguistics and The English Language
ENGB346	Narrative, Discourse and Identity
ENGB347	Children's Literature
ENGB348	Victorian Literature
ENGB349	Romanticism
ENGB350	Drama and Theatre
ENGB351	Modern Drama
ENGB352	Nineteenth-Century American Literature
ENGB353	Twentieth-Century American Literature
ENGB354	Gender and Literature
ENGB355	Introduction To Literary Criticism
ENGB356	Shakespeare
ENGB357	Creative Writing I
ENGB358	Creative Writing II
ENGB359	The English Renaissance
ENGB360	Postcolonial Writing
ENGB361	World Literatures In English
ENGB362	Life Narratives
ENGB363	Poetry and Poetics
ENGB364	Major Authors
ENGB365	Special Topics in Literature I
ENGB366	Special Topics in Literature II
ENGB367	Special Topics in Linguistics I
ENGB368	Special Topics in Linguistics II

Research and Internship Elective Courses:

ENGB430	Senior Thesis
ENGB431	Graduation Project

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Bachelor's Degree Programmes**Japanese Studies**

Year I		Credits
JPNB110	Practical Japanese I	6
JPNB111	Japanese Grammar I	6
JPNB120	Practical Japanese II	6
JPNB121	Japanese Grammar II	6
SAGE102	First-Year Experiential Learning	0
2 General Education Courses - "English Language" Courses		6
Total Credits		30

Year II		Credits
JPNB210	Practical Japanese III	3
JPNB211	Japanese Grammar III	3
JPNB212	Japanese Reading I	3
JPNB213	Japanese Composition I	3
JPNB220	Practical Japanese IV	3
JPNB221	Japanese Grammar IV	3
JPNB222	Japanese Reading II	3
JPNB223	Japanese Composition II	3
4 General Education Courses		12
Total Credits		36

Year III		Credits
JPNB312	Japanese Research Method I	3
JPNB322	Japanese Research Method II	3
1 General Education Course - "Macao, China and Other Societies" Course		3
JPNB459	Macao, China and Other Societies	
3 General Education Courses		9
4 Japanese Studies Required Elective Courses		12
2 Distribution/Diversity Courses*		6
Total Credits		36

*Courses offered by other Academic Units or other programmes (non-Japanese majors)

Year IV	Credits
1 General Education Course - "World Histories and Cultures" Course	3
JPNB458 World Histories and Culture	
1 General Education Course - "Communication" Course	3
JPNB467 Communicating in Japanese	
6 Japanese Studies Core Elective Courses	18
2 Distribution/Diversity Courses*	6
Total Credits	30

**Courses offered by other Academic Units or other programmes (non-Japanese majors)*

Japanese Studies Required Elective for Year 3

JPNB310	Business Japanese I
JPNB313	Selected Readings in Modern Japanese I
JPNB320	Business Japanese II
JPNB323	Selected Readings in Modern Japanese II
JPNB350	Practical Japanese V
JPNB351	Practical Japanese VI
JPNB352	Translation and Interpretation I
JPNB353	Translation and Interpretation II
JPNB354	Special Topics on Japan I
JPNB355	Special Topics on Japan II
JPNB356	Special Topics on Japan III
JPNB357	Special Topics on Japan IV

Japanese Studies Required Elective for Year 4

JPNB452	Business in Japan I
JPNB453	Business in Japan II
JPNB454	Selected Readings in Modern Japanese III
JPNB455	Selected Readings in Modern Japanese IV
JPNB456	Modern Japan
JPNB460	Art of Japan
JPNB465	Japanese Literature I
JPNB466	Japanese Literature II
JPNB468	Special Topics on Humanities I
JPNB469	Special Topics on Humanities II
JPNB470	Special Topics on Humanities III
JPNB471	Special Topics on Humanities IV
JPNB472	Special Topics on Humanities V
JPNB473	Special Topics on Humanities VI
JPNB474	Special Topics on Social Sciences I
JPNB475	Special Topics on Social Sciences II
JPNB476	Special Topics on Social Sciences III
JPNB477	Special Topics on Social Sciences IV
JPNB478	Special Topics on Social Sciences V
JPNB479	Special Topics on Social Sciences VI
JPNB480	Advanced Practical Japanese I
JPNB481	Advanced Practical Japanese II
JPNB482	Japanese Society and Culture I
JPNB483	Japanese Society and Culture II

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Bachelor's Degree Programmes**Portuguese Studies**

Year I	Credits
PTSB110 Language Laboratory: Development of Pronunciation and Production I	3
PTSB111 Introduction to the comprehension of written Portuguese I	3
PTSB112 Introduction to Portuguese Language I	3
PTSB113 Communicating in Portuguese	3
1 General Education Course - "Chinese/Foreign Language" Course	3
PTSB114 Living Portuguese	
PTSB120 Language Laboratory: Development of Pronunciation and Production II	3
PTSB121 Introduction to the comprehension of written Portuguese II	3
PTSB122 Introduction to Portuguese Language II	3
PTSB123 Introduction to Conversation	3
PTSB124 Introduction to the Culture of the Portuguese-speaking World	3
SAGE102 First-Year Experiential Learning	0
2 General Education Courses - "English Language" Courses	6
Total Credits	36

Year II	Credits
PTSB210 Language Laboratory: Development of Pronunciation and Production III	3
PTSB211 Structure of Portuguese I	3
PTSB212 Writing I	3
PTSB213 Portuguese Language and Culture I	3
PTSB214 Conversation I	3
PTSB220 Language Laboratory: Development of Pronunciation and Production IV	3
PTSB221 Structure of Portuguese II	3
PTSB222 Writing II	3
PTSB223 Portuguese Language and Culture II	3
PTSB224 Conversation II	3
1 General Education Course – "Mathematics/Quantitative Reasoning" Course	3
1 General Education Course – "Information Technology and Knowledge Society" Course	3
1 General Education Course – "Physical Education" Course	1
Total Credits	37

Year III	Credits
PTSB311 Practical Writing for Professional Purposes I	3
PTSB312 Advanced Intermediate Comprehension and Production Skills I	3
PTSB320 Portuguese Language and Culture of the Lusophone Countries II	3
PTSB321 Practical Writing for Professional Purposes II	3
PTSB322 Advanced Intermediate Comprehension and Production Skills II	3
1 General Education Course – “Communication” Course	3
PTSB310 Portuguese Language and Culture of the Lusophone Countries I	
1 General Education Course – “World Histories and Cultures” Course	3
PTSB326 Modern and Contemporary History of the Portuguese-speaking Nations II	
1 General Education Course – “Physical Science and the World” Course	3
1 General Education Course – “Life Science, Health and the Human Condition” Course	3
2 Required Elective Courses from the following:	6
PTSB313 Translation I (Portuguese-Chinese)	
PTSB314 Introduction to Portuguese Linguistics	
PTSB315 Introduction to the Study of the Literature of the Portuguese speaking World I	
PTSB316 Modern and Contemporary History of the Portuguese speaking Nations I	
PTSB317 Special Topic I	
PTSB318 Special Topic II	
1 Required Elective Course from the following:	3
PTSB323 Translation II (Chinese-Portuguese)	
PTSB324 Portuguese Linguistics: Grammar	
PTSB325 Introduction to the Study of the Literature of the Portuguese speaking World II	
PTSB327 Special Topic III	
PTSB328 Special Topic IV	
Total Credits	36

Year IV	Credits
PTSB410 Advanced Portuguese Language and Culture of the Lusophone Countries I	3
PTSB411 Research and Report Writing I	3
PTSB412 Advanced Comprehension and Production Skills I	3
PTSB420 Advanced Portuguese Language and Culture of the Lusophone Countries II	3
PTSB421 Research and Report Writing II	3
PTSB422 Advanced Comprehension and Production Skills II	3
1 General Education Course – “Macao, China and other Societies” Course	3
PTSB416 Contemporary Society and Institutions of the Portuguese speaking Nations I	
1 General Education Course – “Visual and Performing Arts” Course	3
PTSB429 Portuguese Language Drama	
1 General Education Course – “Values, Ethics and Meaning of Life” Course	3
1 Required Elective Course from the following:	3
PTSB413 Advanced Translation I (Portuguese-Chinese)	
PTSB414 Interpreting I (Portuguese-Chinese)	
PTSB415 Teaching Portuguese as a Foreign Language I	
PTSB417 Special Topic V	
PTSB418 Special Topic VI	
1 Required Elective Course from the following:	3
PTSB423 Advanced Translation II (Chinese-Portuguese)	
PTSB424 Interpreting II (Chinese-Portuguese)	
PTSB425 Teaching Portuguese as a Foreign Language II	
PTSB426 Contemporary Society and Institutions of the Portuguese speaking Nations II	
PTSB427 Special Topic VII	
PTSB428 Special Topic VIII	
Total Credits	33

Course Description

CHIN700 中國思想與文化 CHINESE THOUGHT AND CULTURE

分專題講解中國歷代思想與文化及其發展，並對中國古代思想文化的諸多現象及規律進行高層次研討，以利于研究生初步把握中國思想文化傳統及其現代走向，從而對自己所從事的學術研究作高屋建瓴的把握。本課程包括中國思想文化的起源，歷代傑出思想家研究，古代哲學與古代文化，外來文化與文化傳統，中國文化與傳統藝術等專題。

先修科目：沒有

CHIN704/CHIN702/ CHIN703 當代人文學術前沿 (I,II,III) PERSPECTIVES IN HUMANITIES I,II,III

本單元屬於跨專業的高層次學術素質培養課程。以本系教授為主體，兼聘請一些校外著名學者，組成來自不同學科的主講陣容，向不同專業的研究生介紹和分析不同學科的最新進展、動態，探討各種學術前沿問題。

先修科目：沒有

CHIN710 漢語語言學理論專題 TOPICS IN THEORIES OF CHINESE LINGUISTICS

本課程旨在提高學生的語言學理論素養，引導學生科學地借鑒和運用西方語言學理論，對漢語實際進行深入的觀察和分析。課程包括介紹當代語言學理論在漢語研究中的運用和所取得的重要成果，漢語語言學理論的最新進展，各種語言學理論在漢語研究中的展望等內容。

先修科目：沒有

CHIN711 漢語語言學研究方法 METHODS IN CHINESE LINGUISTICS

本課程旨在系統介紹語言學的研究思路、方法和一些重要的語言學理論，指導學生採用科學的工具和方法對漢語進行共時或歷時的系統研究。課程包括語言學研究的一般方法和特殊方法，語言學研究中經常使用的工具性概念，各個語言學流派所採用的分析技術，國內學者建立的語言學理論等內容。

先修科目：沒有

CHIN713 古代漢語研究 STUDIES ON CLASSICAL CHINESE

本課程旨在進一步提高學生古漢語素養，引導學生將語言研究古今貫通——嘗試運用現代漢語的理論和方法解決古代漢語的問題。內容包括古代漢語的音韻、文字、訓詁、詞彙、語法、方法論等幾大專題。

先修科目：沒有

CHIN714 現代漢語研究 STUDIES ON MODERN CHINESE

指導學生掌握必要的現代漢語專業性知識，培養學生觀察、分析和描寫共時狀態下漢語語音、語法和辭彙中的一些現象以及運用中的一些問題。內容包括現代漢語總論、文字、語音、詞彙、語法和修辭等幾大專題。

先修科目：沒有

CHIN715 漢語語言學專題 I TOPICS IN CHINESE LINGUISTICS I

本課程旨在進一步提高學生的語言學素養，培養學生深入觀察、分析語言現象的能力。課程將就漢語語言學的一些本質問題進行深層次的探討，向學生介紹最新的語言學理論和方法、漢語研究中最前沿的一些問題，內容將涉及語言學的分支領域如語法學、詞彙學、語音學以及語言和文學之關係等。

先修科目：沒有

CHIN712 漢語社會語言學研究 STUDIES ON CHINESE SOCIOLINGUISTICS

本課程旨在引導學生深入瞭解語言與社會的關係，運用社會語言學的概念和方法觀察、分析漢語中的詞彙、語法、語音等現象。課程包括宏觀語言狀況的調查研究，語言政策的制定，語言變異與語言變體，漢語與華人社會，語言的接觸與競爭等內容。

先修科目：沒有

CHIN717 漢語語法研究 STUDIES ON CHINESE GRAMMAR

本課程將緊密結合漢語實際，介紹漢語語法研究中的一些熱點問題和主要的理論與方法，提升學生對漢語語法進行專題思考和學科探索的能力。課程包括當前國際上主要語法學派的研究狀況和思路，漢語語法的應用研究，漢語語法研究與中文資訊處理、對外語教學等相關學科的互補研究等內容。

先修科目：沒有

CHIN718 漢語聲韻研究 STUDIES ON CHINESE PHONOLOGY

本課程旨在夯實學生的漢語音韻知識，引導學生在方言、隋朝和唐朝的反切系統的基礎上，探測古漢語的發音，以及古今發音的演變規律，為方言調查描寫及訓詁學、詞源學等相關學科的研究打下基礎。課程包括漢語音韻史，音韻研究方法，韻書概覽等專題。

先修科目：沒有

CHIN716 漢語語言學專題 II TOPICS IN CHINESE LINGUISTICS II

本課程旨在進一步提高學生的語言學素養，培養學生深入觀察、分析語言現象的能力。課程將就漢語語言學的一些本質問題進行深層次的探討，向學生介紹最新的語言學理論和方法、漢語研究中最前沿的一些問題，內容將涉及語言學的分支領域如語用學、第二語言習得、漢字與漢文化之關係等。

先修科目：沒有

CHIN719 漢語語言學專題 III TOPICS IN CHINESE LINGUISTICS III

本課程旨在進一步提高學生的語言學素養，培養學生觀察、分析第二語言習得過程中的語言現象，以加深對於人類語言能力的認識。課程將對第二語言習得和漢語作為二語教學的理論和方法進行深層次的探討，對一些教學研究上的個案進行深入討論，分析、評價不同的二語教學法，以啟發學生思考國人的外語學習和漢語作為二語的規律。

先修科目：沒有

CHIN740 中國古典文學研究專題 TOPICS IN TRADITIONAL CHINESE LITERATURE

本課程以專題形式對中國古代文學進行深層的研討，專題的選擇範圍涉及先秦至清代文學發展演變的各個方面，包括重要時期和階段，各類文體風格，主要作家、作品及流派，古代文學發展與政治、宗教、思想、文化發展的關係等。本課程旨在使研究生深入瞭解中國古代文學的特質，掌握分析運用文學史料的方法，並培養其獨立研究古代文學的能力。

先修科目：沒有

CHIN741 中國現代文學研究專題 TOPICS IN MODERN CHINESE LITERATURE

以中國現當代重要的文學現象為研究對象，劃分為若干專題進行高層次研討，以利於研究生初步把握對本學科的發展歷史及內部規律。本專題包括中國現當代文學學科發展與學科概念的學術反思，台港澳暨海外華文文學與中國新文學傳統的關係研究，現當代文學社團與文學流派的考察分析，現當代重要作家作品的重新解讀等內容。

先修科目：沒有

CHIN743 古代文學研究方法**METHODS IN THE STUDY OF TRADITIONAL CHINESE LITERATURE**

本課程綜合介紹中國古代文學的研究方法和學術規範，包括傳統的考據方法和批評方式，現代以

文學批評為主而融合諸多學科的多元化研究方法，西方和日本漢學研究概述，學術論文撰寫的國際規範等。本課程旨在使研究生打開學術視野，以多角度、多方法研究古代文學，並訓練其按國際規範撰寫學術論文的能力。

先修科目：沒有

CHIN744 現代文學研究方法

METHODS IN THE STUDY OF MODERN CHINESE LITERATURE

本課程以講授方法學之知識為主，在系統介紹中西文學研究方法的基礎上，對現當代文學選題、觀點提煉、材料開發和利用、論文操作等等重要環節進行理論解析，並輔之以相應的學術訓練，以利於研究生掌握學術研究規範和有效的學術研究方法，順利地進入學位論文的寫作。

先修科目：沒有

CHIN745 文學專題研究 I TOPICS IN CHINESE LITERATURE I

本課程選擇中國古代韻文、散文、小說、戲劇等經典作品，在精細閱讀分析原著的基礎上，展開集中深入的探討，使研究生深化對傳統經典作品的認識，並掌握研究專著的方法。

先修科目：沒有

CHIN742 文學理論專題 TOPICS IN LITERARY THEORY

本課程致力於提高研究生理論素養，可分為兩個方向講授。其一是古代文論方向，系統地介紹中國傳統文學理論和文學批評的成就，並對古典文論的現代運用問題進行學術思考；其二是西方文論和現代文論方向，分若干專題探討對於中國文學和文化建設產生重大影響的理論課題。

先修科目：沒有

CHIN747 中國古代文體專題 TOPICS IN TRADITIONAL CHINESE LITERARY GENRES

本課程以專題方式研討中國古代文體的發展演變，專題選擇範圍包括各種體類的韻文、散文、小說、戲劇等。通過閱讀相關的文體分類、批評著作，以及分析探討各類文體的發展階段和代表作家作品，使研究生瞭解不同文體的特質，掌握不同文體的研究方法。

先修科目：沒有

CHIN748 中國現代文體專題 TOPICS IN MODERN CHINESE LITERARY GENRES

本課程以現代文體的分類和流變為主要研究目標，以利於研究生系統地掌握文體知識，並對某一個現代文體有深入的學術認知。傳統的文體分類在進入現代後受西方影響產生很大變化，而自上世纪二十年代開始進行了現代性的整合。在系統講解現代文體的發展歷史和整合過程的基礎上，對其中一類現代文體（如小說、詩歌、戲劇、散文等）進行重點研究。

先修科目：沒有

CHIN746 文學專題研究 II TOPICS IN CHINESE LITERATURE II

本課程以中國現代文學經典作家和作品以及比較文學為主要研究對象，通過作品細讀和深入的作家創作道路分析，幫助研究生準確地瞭解和把握現當代文學經典，並提高分析作品和解讀作家的學術能力。課程的研究範圍是自新文化運動以來在漢語新文學史上最具影響力的作品，包括在港澳臺及海外寫作並產生影響的經典作品。

先修科目：沒有

CHIN749 文學專題研究 III TOPICS IN CHINESE LITERATURE III

本課程主要聚焦於中國古代、近代與現代文學之比較，以及中國文學與外國文學之比較，文學與文化之比較等等，從廣泛的文學比較中進一步深化對中外文學、文化史知識的體認，以及對文學、文化理論的理解。

先修科目：沒有

CHIN800 中文研究方法論高級課程**RESEARCH METHODS FOR ADVANCED STUDIES IN CHINESE**

本課程是研究方法論方面的高級課程。通過對當代語言學研究成果的介紹和分析，了解不同的語言研究所採用的方法以及這些方法所表示的語言學的理論價值。利用這些學術成果啟發學習者對漢語(包括方言和漢語各類變體)語音和句法規律的認識和即將進行的博士階段的研究。

先修科目: 沒有

CHIN801 學術寫作 ACADEMIC WRITING

本課程旨在培養學生能夠流暢地撰寫正規的學術文章和批判思考的技巧，讓學生熟習學術寫作的內容、格式、用語和架構，並探討如何有效概括和總結學術文獻中的資料、如何能夠在段落和文章中，以最佳的方式集中、組織和陳述個人的論點等等。

先修科目: 沒有

CHIN813 中國語言學專題高級課程 ADVANCED TOPICS IN CHINESE LINGUISTICS

本課程是專門為漢語語言學專業博士生規劃的高級研討課程。任課教師將會在理論語言學、社會語言學、語法學、音系學、語用學、方言學等學術領域精心挑選一組前言課題，引導博士生展開深入探討。課程目標是通過對這些問題的研討，進一步提升博士生們獨立地分析問題和解決問題的能力，以及創造性地整合前人、規劃議題，開拓創新的能力。

先修科目: 沒有

CHIN842 中國文學專題高級課程 ADVANCED TOPICS IN CHINESE LITERATURE

系統地整合、討論中國現當代文學的學術體系，並對這一學科領域的重要學術課題展開討論。

先修科目: 沒有

CHNB110 現代漢語 MODERN CHINESE LANGUAGE

本課程是漢語言文學專業的必修基礎課。通過實例分析、小組討論報告等教與學的手段，學生系統地掌握現代漢語的文字、語音、詞彙等基本理論和基本知識，學會語音、詞彙分析的基本技能，培養和提高學生分析和運用語音、詞彙知識的能力。通過本課的各種練習，學生能對普通話的語音和詞彙有較全面的認識，為學習其他語言學科目奠定良好的基礎。

先修科目: 沒有

CHNB111 中國現代文學 MODERN CHINESE LITERATURE

本課程主要探討二十世紀上半葉中國文學之歷史發展的規律與成就，並旁及其與古典文學、外國文學之關係。課程的重點內容是對現代文學重要作家的代表作品進行歷史和美學的解讀，並對新人文主義、新感覺派、九葉詩派等重要文學思潮和流派，對文學研究會、創造社、新月社等重要文學社團，將結合作品進行重點介紹，且以互動式、啟發式教育，激發同學的獨立思考與課堂討論，從而達到化課堂所學為自身學識的教學目的。

先修科目: 沒有

CHNB120 現代漢語語法語用學 MODERN CHINESE GRAMMAR AND PRAGMATICS

本課程是漢語言文學專業的必修基礎課。通過實例分析、小組討論報告等教與學的手段，學生能系統地掌握現代漢語的語法學、語用學的基本理論和基本知識，學會語法、修辭、語用的基本技能，培養和提高學生分析語法和判斷語法錯誤以及修正語法錯誤的能力，增強語言的表達效果。

先修科目: 沒有

CHNB121 中國當代文學 CONTEMPORARY CHINESE LITERATURE

本課程主要探討二十世紀下半葉以來中國文學之歷史發展的規律與成就，並旁及其與古典文學、外國文學和現代文學之關係。課程的重點內容是對當代文學重要作家的代表作品進行歷史和美學的解讀，並對朦朧詩派、先鋒派等重要文學思潮和流派，對山藥蛋派、探求者、他們詩社等重要文學社團，將結合作品進行重點介紹，且以互動式、啟發式教育，激發同學的獨立思考與課堂討論。

論，從而達到化課堂所學為自身學識的教學目的。

先修科目：沒有

CHNB150 粵語與粵文化 CANTONESE LANGUAGE AND CULTURE

本課程通過方言調查、實地考察、觀賞表演、分析討論等方式，引導學生探討粵語與粵文化各個方面的密切關係，諸如宗教信仰、社會風俗、戲曲藝術、飲食文化及中西語言文化的融合等。本課程旨在深化學生的地域語言文化修養，培養其收集、分析及運用地方文獻和口述資料的能力。

先修科目：沒有

CHNB151 漢語社會語言學 CHINESE SOCIOLINGUISTICS

社會語言學是一門與多學科交叉的語言科學。本課程通過實例分析、小組討論報告等教與學手段，使學生對語言學有更廣泛的認識，從語言社團的角度認識和研究語言的發展和演變，特別是語言與社會的關係、語言與區域文化的關係，認識澳門社會對於澳門語言的影響，同時讓學生掌握社會語言學的基本研究方法。

先修科目：沒有

CHNB152 中國古典詩歌 CLASSICAL CHINESE POETRY

本課程引導學生閱讀、分析、闡釋先秦至清代的詩、詞、曲作品，通過討論、報告、撰寫論文等方式，啟發學生分析詩歌的語言、意象、韻律、格調、風格、結構、詩體、主題、題材等，探討古代詩歌的發展演變歷程及其與社會歷史背景的關係，並練習創作舊體詩詞的格律和技巧。本課程旨在使學生熟悉古典詩歌的代表作家作品和發展歷程，並培養其獨立欣賞、分析、批評古典詩歌的能力。

先修科目：沒有

CHNB153 中國古典小說 CLASSICAL CHINESE FICTION

本課程引導學生閱讀、分析、闡釋清代之前的古典小說代表作品，通過討論、報告、撰寫論文等方式，啟發學生分析小說的文本、語言風格、主題、題材類型、敘事結構、人物塑造等，探討古典小說的發展演變及其與社會歷史背景的關係。本課程旨在使學生瞭解古典小說的作作家作品和發展歷程，並培養其獨立欣賞、分析、批評古典小說的能力。

先修科目：沒有

CHNB154 文學創作 CREATIVE WRITING

本課程旨在透過講課、習作、小組討論等，增強同學的文學創作能力。課程內容包括：1. 訓練同學掌握規範的白話文、減少病句和粵方言痕跡、應用文寫作、詞語搭配、標點符號、使用字典詞典等；2. 講解文學創作的要素，如觀察、構思、想像、表達等；3. 引導同學掌握小說、散文、詩等各類文體的寫作。

先修科目：沒有

CHNB155 通俗文學與文化 POPULAR LITERATURE AND CULTURE

本課程以現當代民間文學和通俗文學文本為研究對象，運用多媒體教學、社會調查、課堂討論等手段，引導同學探究民間文學和通俗文學中的題材種類，表達藝術手法，共同特徵與差異，以及流行文化的思維表達，進而追蹤當代大眾文學的發展變遷、文化底蘊及其所體現的社會大眾意識。本課程將聯係中國現當代通俗文學與民間文學的實際，從民俗學乃至文化人類學的理論視野探討民俗文化當代發展的規律，並指導學生對澳門民間文學進行採集與研究。

先修科目：沒有

CHNB 156 中國歷史文獻選讀 SELECTED READINGS IN CHINESE HISTORIOGRAPHY

《史記》是我國史學的偉大著作，司馬遷開創了我國史學編著和研究的新局面。《史記》以其材料豐富、內容廣泛、體例獨特、文筆生動、識見高明著稱，後世修史者奉為典範。本課程側重介紹

《史記》之成書、體例、地位，並且選取其中有代表之篇章，作出分析，顯示中國史學研究中之史才、史學、史識；亦從文學角度欣賞《史記》，蓋《史記》實為中國古代散文的佳作，優美辭句，敘事活潑明快。

先修科目：沒有

CHNB210 古代漢語 I CLASSICAL CHINESE LANGUAGE I

學生通過研讀各種類型的先秦材料，了解古代漢語的語言面貌，掌握古代漢語語法和虛詞的用法。教與學的手段包括例句的分解與判斷，小組討論和報告，學生獨立分析句子等，在此基礎上系統地掌握古代漢語語法和詞類的知識，學會將這兩方面的知識運用在實際的古文閱讀和理解上，對於古籍和歷史文獻有一定的閱讀和分析能力。

先修科目：沒有

CHNB220 漢語語言學概論 INTRODUCTION TO CHINESE LINGUISTICS

啟發學生觀察和討論澳門的各種語言、方言現象，將日常語言現象與語言的基本概念、性質、結構、演變規律、以及其他社會現象的聯繫起來，培養學生對語言現象的敏感性，以及自覺將語言學理論運用在語言分析、語言運用、語言教學、語言規劃等方面。通過實例分析，學會對日常語言現象有一個正確的和科學的態度，掌握語言工作者的基本理論和知識。

先修科目：沒有

CHNB211 中國古典文學：先秦至唐五代

CLASSICAL CHINESE LITERATURE: PRE-QIN TO TANG AND FIVE DYNASTIES

本課程引導學生閱讀、分析、闡釋先秦至唐五代的古典文學代表作品，通過討論、報告、撰寫論文等方式，啟發學生探討古典文學發展的重要時期和階段，各類文體風格，主要作家和流派，文學發展與政治、宗教、思想、文化的關係等。本課程旨在使學生瞭解中國古典文學的特質和發展歷程，並培養其獨立欣賞、分析、批評古典文學作品的的能力。

先修科目：沒有

CHNB221 中國古典文學：宋代至清代

CLASSICAL CHINESE LITERATURE: SONG TO QING DYNASTIES

本課程引導學生閱讀、分析、闡釋宋代至清代的古典文學代表作品，通過討論、報告、撰寫論文等方式，啟發學生探討古典文學發展的重要時期和階段，各類文體風格，主要作家和流派，文學發展與政治、宗教、思想、文化的關係等。本課程旨在使學生瞭解中國古典文學的特質和發展歷程，並培養其獨立欣賞、分析、批評古典文學作品的的能力。

先修科目：沒有

CHNB222 古代漢語 II CLASSICAL CHINESE LANGUAGE II

課程大綱同「古代漢語 I」

先修科目：沒有

CHNB250 中國現當代作家專題

TOPICS IN MODERN AND CONTEMPORARY CHINESE WRITERS

在系統、深入地閱讀漢語新文學作品並瞭解中國現當代文學史的基礎上，對漢語新文學發展過程中的若干問題作較為深入、專業的分析，解讀，重點解剖在中國現當代歷史上產生過重大影響或出現過較明顯困擾的文學現象，並從文學、美學、社會學、文學心理學等多個角度對這些文學現象進行理論分析，以提高同學的文學批評和理論判斷能力，為進一步介入漢語新文學的研究作準備。此課程將讓學生分組自選課題進行學術討論練習，教師進行指導並對分組交流進行評分。

先修科目：沒有

CHNB251 世界華文文學 WORLD CHINESE LITERATURE

港澳臺的華人在各自不同的生活環境中，適應著不同的時代和歷史的要求，創作了大量與祖國文學有著不同特色的文學。它們從不同的角度、側面反映了台灣、香港和澳門的華人的生活與人生追求，對這些文學創作的研究，有助於同學對台、港及澳門華人社會的瞭解。通過對各地的華文文學的歷史與現狀描述，重要的作家作品研究，以及不同文學流派的介紹等，使同學對各地的華文文學有整體的瞭解。本課程將引導學生自主地研究和討論澳門文學的經驗教訓。

先修科目：沒有

CHNB252 中國古典散文 CLASSICAL CHINESE PROSE

本課程引導學生閱讀、分析、闡釋先秦至清代的優秀散文作品，通過討論、報告、撰寫論文等方式，啟發學生分析古典散文在體裁、題材、表現技巧、語言風格等方面的特點和發展演變，並詮釋其歷史文化背景。本課程旨在培養學生獨立欣賞、分析、批評古典散文的能力，並提高其寫作文章的水平。

先修科目：沒有

CHNB253 先秦諸子閱讀 READINGS IN PRE-QIN CLASSICS

本課程選擇閱讀一至二部先秦諸子的經典著作，通過討論、報告、撰寫論文等方式，啟發學生分析經典著作的思想內涵和語言形式，探討其對中國思想文化傳統的形成和發展的影響，並介紹新出土的先秦諸子資料和學術研究動態。本課程旨在使學生瞭解作為中國思想文化源頭和主流的先秦諸子著作和思想，深化對文學和文化傳統的認識，並培養其批評性思考和分析研究的能力。

先修科目：沒有

CHNB254 唐宋詩詞 POETRY OF TANG-SONG PERIOD

本課程引導學生閱讀、分析、闡釋唐宋詩詞的優秀作品和相關理論批評著作，通過討論、報告、撰寫論文等方式，啟發學生探討唐宋時期的主要詩詞作家、重要發展階段、詩詞體式的格律和表現特點等，並練習創作舊體詩詞的格律和技巧。本課程旨在使學生認識唐宋詩詞的傑出成就，熟悉優秀詩詞作家和作品，並提高欣賞、分析、批評、研究詩詞的能力。

先修科目：沒有

CHNB255 現當代文學經典作品閱讀

READINGS IN MODERN AND CONTEMPORARY WORKS

中國現代文學發展的歷史雖然只有短短幾十年，但值得選讀的作品實在不少。這門課引導學生重點閱讀魯迅、郭沫若、李金發、戴望舒、錢鍾書、張愛玲、穆旦、廢名、汪曾祺、王小波、北島等人的富有經典意義的作品，並通過課堂上分析和討論這些有代表性的作品，培養和提高學生獨立思考和分析文學作品的能力。本課程會聯係古今中外文學現象，發動學生討論經典的定義和意義。

先修科目：沒有

CHNB256 港澳語言研究

LANGUAGES AND DIALECTS SPOKEN IN HONG KONG AND MACAO

課程旨在讓學生充分認識和瞭解港澳豐富多彩的語言現象及其產生的政治、經濟和文化的原因，並以語用學的理论從不同角度分析其現象及規律，引導學生對港澳語言研究的興趣，並提高學生在社會實踐中正確運用語言的能力。

先修科目：沒有

CHNB257 圖書編輯基礎 BOOK EDITING KNOWLEDGE AND SKILL

該課程教學目的使學生較全面瞭解、掌握編輯學的基本原理和編輯技能，對現代編輯，尤其是港澳地區中文圖書編輯的功能和特點有基本的認識。通過教學逐步提高學生組織、整理文字和圖像資料的能力，初步學會運用知識產權的基本概念處理出版中的各種問題。

先修科目：沒有

CHNB310 語言比較 LANGUAGE COMPARISON

本課程介紹語言比較和分析的一般原則和常用方法，重點放在兩種漢語方言或者漢語跟其他語言的比較分析上，讓學生對自己的母語或某種外語從語言結構上有清晰的認識，並培養分析語言的能力，使學生對不同語言或者不同方言之間異同規律的專業敏感及對其對應規律的認識。學生將學會對粵語和普通話的比較和分析，同時認識粵語和普通話的相同點和不同點。

先修科目：沒有

CHNB320 文學理論及批評 LITERARY THEORY AND CRITICISM

介紹重要文學理論流派如形式主義、結構主義、符號學、後結構主義、女性主義、後殖民主義等，同時配套介紹中西方文學理論批評範圍內的重要論著和相關作品，演示分別運用或綜合運用傳記批評、印象批評、形式主義文評、新批評、結構主義與符號學、後結構主義、女性主義、後殖民主義等中西方文學批評的模式與方法分析具體作品，以提高同學將文學理論運用於批評實踐的能力，並在積極參與課堂討論的前提下，深化與細化對文學理論和批評方法的掌握。

先修科目：沒有

CHNB350 傳統語文學 CHINESE PHILOLOGY

本課程旨在讓學生系統掌握傳統文字學、音韻學及訓詁學的基本理論與基礎知識。本課程通過這方面知識學習，提高學生閱讀和研究古代文獻的興趣與能力。教學手段包括學生嘗試古文分析、小組討論、老師指引等多種方法。

先修科目：沒有

CHNB351 語言學名著選讀 READINGS OF CHINESE LINGUISTICS WORK

選擇有代表性的語言學名著，學生進行分組研讀、討論、報告，通過對一些有代表性的漢語方言和外語的分析文章的研讀，提高學生分析語言、分析方言的能力；同時了解和認識一些有代表性的語言理論和流派。

先修科目：沒有

CHNB352 文獻學 BIBLIOGRAPHY

本課程介紹傳統和現代文獻學，包括傳統的目錄學、版本學、校勘學及現代的文獻分類和檢索技術，通過討論、報告和實際練習，使學生掌握傳統文獻的傳播、分類、收藏及整理等基礎知識，瞭解各學科的重要典籍，認識各種中文工具書的使用方法及各類電子資源的檢索利用。本課程旨在使學生掌握和利用文獻資訊資源，瞭解本專業和相關學科的發展動向，並培養學術研究的能力。

先修科目：沒有

CHNB353 華南文學與文化 SOUTH CHINA LITERATURE AND CULTURE

本課程通過閱讀分析、課堂討論及實地考察，使學生瞭解華南地區文學與歷史文化發展的關係，特別是華南文學文化在近現代時期的重要轉變，並探討其代表人物的成就和影響。本課程旨在深化學生的地域文學文化修養，培養其收集、分析及運用地方文獻和口述資料的能力。

先修科目：沒有

CHNB354 漢語方言學 CHINESE DIALECTOLOGY

課程通過實例分析、小組討論報告(各人運用自己的方言)等教與學的手段，讓學生瞭解漢語各種方言的語音、詞匯及語法的特點，認識漢語各方言之間的異同以及形成異同的歷史的和區域社會的原因，學會方言調查和方言研究的基本方法，進而培養學生運用現代語言學理論分析和研究漢語方言事實的能力。

先修科目：沒有

CHNB355 中國古典戲曲 CLASSICAL CHINESE DRAMA

本課程引導學生閱讀、分析、闡釋古典戲曲的代表作品，通過討論、報告、撰寫論文等方式，啟

發學生探討古典戲曲的起源、形式與發展。本課程旨在使學生瞭解古典戲曲作品的特質、類別、表演形式和發展歷程，並培養學生獨立欣賞、分析、批評戲曲作品的能力。

先修科目：沒有

CHNB356 漢語訓詁學與語義學 CHINESE ETYMOLOGY AND SEMANTICS

課程旨在讓學生系統掌握傳統訓詁學和現代語義學的基礎知識，以期貫通古今，洋為中用。本課程還要培養學生閱讀和研究古代文獻的興趣，鍛煉學生運用現代語義學理論分析漢語古今字義、詞義和句義的能力。

先修科目：沒有

CHNB357 當代實用文體 CONTEMPORARY PRACTICAL AND PRAGMATIC WRITING

本課程以實用的題材為具體的教學內容，指導同學掌握各類型應用文的寫作特點，講授基礎的寫作知識，透過講解及學習，培養同學的寫作興趣及提升寫作能力。講授的不僅是私人書信或求職自薦的書寫，也有喜慶宴會的柬帖及喪務用的訃聞、哀啓等，甚至業務的公函、公啓、意向書、會議錄、報告等，以及與生活息息相關的各類法律文件，如契約、章則、規程等等。

先修科目：沒有

CHNB358 澳門文學、文化專題

SPECIAL TOPICS IN THE LITERATURE AND CULTURE OF MACAO

該課程以介紹、考察和分析澳門歷史與文學專題為主要內容。專題主要包括：澳門文學、澳門城市發展和歷史建築、澳門宗教與信仰、澳門社會風俗、澳門飲食文化等專題。在課堂教學中重點引導學生認識澳門中西文化併存、融合和發展的原因及其特色，並通過教學和實地考察，培養學生收集、分析文學、歷史文化資料的能力，加深對澳門文化、文學的認識。

先修科目：沒有

CHNB359 中國文化藝術專題 SPECIAL TOPICS IN CHINESE CULTURE AND FINE ARTS

藉著對中國傳統文化的生活文化、表層文化及經典的介紹作為理解中國傳統文化核心理念的主要教材。中國文化的食療與養生、中國古代科技成就概論及反思、禪與中國文化、中國詩樂等都是本課程探討的重要主題。本課程希望藉此鞏固同學對中國文化藝術的認識及興趣，更能體驗傳統文化與現代生活的關係。

先修科目：沒有

CHNB360 文心雕龍 WEN XIN DIAO LONG

南北朝是中國文學批評及文學理論的一個重要發展朝代，《文心雕龍》的出現絕對不是偶然的，它既集合了文學理論與批評的大成之外，更是至今的文學批評準則的楷模。本課程以《文心雕龍》一書為研討對象，探討該書的理論體系，對中國文學批評思想的影響及其批評方法等，並評價其在文學史上的地位。

先修科目：沒有

CHNB410 中國傳統文論 TRADITIONAL CHINESE LITERARY THEORY

本課程引導學生閱讀、分析、闡釋中國傳統文學理論和批評的代表性著作，通過討論、報告、撰寫論文等方式，啟發學生探討傳統文論的基本命題、範疇及其發展演變，並與現代文學理論和批評相比較。本課程旨在使學生熟悉歷代文論家和批評流派，掌握傳統文論的基本內容和批評方法並運用於文學批評，及培養學生獨立思考和分析批評的能力。

先修科目：沒有

CHNB411 論文 I THESIS I

本課程指導學生從中國語言、文學、思想、文化等領域選擇研究課題，撰寫學士學位論文。本課程旨在使學生掌握創新性思考、擬定研究課題、瞭解研究背景、尋找選擇文獻資料、撰寫學術論文的完整過程，熟練運用注釋、參考書目等國際標準文章格式，並提升中文寫作能力。

先修科目: 沒有

CHNB420 中外文學比較

COMPARISON BETWEEN CHINESE AND FOREIGN LITERATURES

介紹比較文學這一跨文化、跨藝術的文學研究學科的目的、意義和方法，介紹比較文學研究范式的形成與發展、比較文學在未來人類文化發展中的地位，重點介紹中國文學與英語世界的互動，中西比較文學研究對傳遞中華文化、增進中外中國文學研究者的交流和互補等方面所具有的重要意義，令同學在通過相關課程掌握了中國文學文化與西方文學文化的基本知識的基礎上，對中西方的文學與文化有一整體的認識，對比較文學學科在中西方文學對話中所能發揮的作用有一深刻的認識。同時程選取中外美學史和文藝理論史上若干最具典型性且有現實意義的概念、範疇與論題，結合中西方小說名著、經典電影等藝術文本進行梳理與分析，廓清其基本內涵，確定其理論邊界，發掘其學術意蘊，為同學提供多維的文藝學知識視野，令其加深對文學藝術形式特徵及人文內涵的認知，並提升跨學科綜合分析的能力和文藝理論修養。

先修科目: 沒有

CHNB421 論文 II THESIS II

本課程指導學生從中國語言、文學、思想、文化等領域選擇研究課題，撰寫學士學位論文。本課程旨在使學生掌握創新性思考、擬定研究課題、瞭解研究背景、尋找選擇文獻資料、撰寫學術論文的完整過程，熟練運用注釋、參考書目等國際標準文章格式，並提升中文寫作能力。

先修科目: CHNB411

CHNB450 語言分析與研究 LANGUAGE ANALYSIS AND RESEARCH

本課程通過學生選擇自己方言裡的一兩個語言特點，引導學生對語言事實進行調查，在語料和數據搜集整理的基礎上，嘗試從比較分析的角度入手，學會對語言特點的性質進行分析和確定，然後運用語言理論以及採用科學的研究方法詮釋該語言特點。通過對實例的分析和研究，讓學生親自實踐分析語言和研究語言的全過程，以提高學生分析問題和研究問題的能力。

先修科目: CHNB110 現代漢語 或者 CHNB120 現代漢語語法語用學

CHNB451 漢語語言學專題 I SPECIAL TOPICS IN CHINESE LINGUISTICS I

對漢語語言學的某一個或幾個領域作較為系統的專題學習，如漢語詞彙學、漢語句法構造、語言類型學、語言的歷史演變等領域，培養學生對語言學的專業興趣，擴大學術視野，拓寬語言研究的角度，掌握一定的研究方法，從而提高學生對語言分析和研究的能力。教學方法為實例分析、小組討論報告等手段。

先修科目: 沒有

CHNB452 中國古典文學專題 TOPICS IN CLASSICAL CHINESE LITERATURE

本課程以專題的形式對中國古典文學展開討論研究，專題的選擇範圍涉及先秦至清代文學發展演變的各個方面，包括重要時期和階段，各類文體風格，主要作家、作品及流派，及古代文學發展與政治、宗教、思想、文化發展的關係，教學方式包括閱讀、討論、報告、撰寫論文等。本課程旨在使學生深入瞭解中國古典文學的特質，掌握分析運用文學史料的方法，並培養其獨立研究古典文學的能力。

先修科目: 沒有

CHNB453 中國思想史 HISTORY OF CHINESE THOUGHT

本課程引導學生閱讀、分析、闡釋中國思想史上的代表性著作，通過討論、報告、撰寫論文等方式，啟發學生探討中國思想從古代至現代的發展演變，使學生熟悉主要的哲學家 and 思想家，瞭解儒、道、佛等諸家思想，認識中國哲學思想的歷史、現狀和發展趨勢，並培養其批評性、哲理性思維的能力。

先修科目: 沒有

CHNB454 中國經典閱讀 READINGS IN CHINESE CLASSICS

本課程選擇一至二部中國傳統文學、思想、哲學、文化的經典著作，在精細閱讀分析原著的基礎上，通過討論、報告、撰寫論文等方式，啟發學生展開集中深入的探討，使學生深化對經典著作和文化傳統的認識，並培養其獨立思考、分析、批評、研究的能力。

先修科目：沒有

CHNB455 漢語語音學 CHINESE PHONETICS AND PHONOLOGY

課程通過對學生對自己的母語習得和普通話的學習經歷，讓學生學會分析語音學的基本發音規律，運用粵語、普通話的知識，學會漢語音韻學的基本理論，瞭解漢語語音系統從古至今的歷史演變過程及演變規律，引導學生將語音學知識運用到學術研究和語言實踐中。

先修科目：沒有

CHNB456 漢語語言學專題 II SPECIAL TOPICS IN CHINESE LINGUISTICS II

對語言學的某一個或幾個領域作較為系統的專題講授，以進一步培養學生對語言學的專業興趣，擴大學術視野，拓寬語言研究的角度，掌握一定的研究方法，從而提高學生對語言分析研究的能力。教學方法為實例分析、小組討論報告等手段。

先修科目：沒有

CHNB457 文學批評專題 SPECIAL TOPICS IN LITERARY CRITICISM

介紹中西方文學批評範圍內有代表性人物的著述，演示分別運用或綜合運用傳記批評、印象批評、形式主義文評、新批評、結構主義與符號學、後結構主義、女性主義、後殖民主義等中西方文學批評的模式與方法分析具體作品，有助學員深化與細化對文學批評理論和方法的掌握。該課程為“文學批評”必修課的配套輔助課程。

先修科目：沒有

CHNB458 外國文學作品選讀 SELECTED READINGS IN WESTERN LITERATURE

介紹由古希臘直至現代的西方重要文學作品，包括戲劇、詩歌、散文和小說等各種體裁，包括古典主義、浪漫主義、象徵主義、現實主義、自然主義、現代主義、後現代主義等各流派的作品。重點介紹荷馬、古希臘三大悲劇家、但丁、歌德、荷爾德林、莎士比亞、雪萊、華茲華斯、陀斯妥也夫斯基、艾略特、普魯斯特、福克納、昆德拉、卡爾維諾等西方文學名家。課程亦會對中西方文學作品進行比較分析，播放外國文學名著改編的電影錄影。

先修科目：沒有

CHNB459 文藝學專題 SPECIAL TOPICS IN LITERATURE AND ARTS

介紹文藝倫理學的目的、意義、範域和方法，令學員從人性與審美相互動的角度加深對文學藝術形式特徵及人文內涵的認知。對藝術性敘事與倫理意識與之間的互動關係，本課程將通過倫理學典籍的文學性解析、中西方小說名著章節分析、經典電影欣賞、商業化藝術敘事（如敘事型廣告）解讀等靈活的授課方式，重點加以探討，以期提高學員跨學科綜合分析的能力和文學、哲學修養。

先修科目：沒有

EELC110 Interactive English I

This course, at 6 hours per week, boosts students' proficiency and confidence in English through

their participation in a series of intensive English activities designed to enhance their listening, speaking, reading and writing skills, as well as enlarging their vocabulary. The focus in this course is on general language improvement, although, where possible, the themes and content covered will be of relevance to other courses taught in the General Education Programme. An emphasis of this course is on developing students' spoken and written fluency in English. The purpose of the course is to begin the preparation of students for study using English as a medium of instruction. At the end of the course, the assessment will be partly based on an external standardized examination.

Pre-requisite: None

EELC120 Interactive English II

This course, at 6 hours per week, builds on the skills and vocabulary taught in Interactive English I. Students will further enhance their proficiency and competence in English by participating in a more advanced series of language activities designed to improve their listening, speaking, reading and writing skills, as well as enlarging their vocabulary. The focus in this course is again on general language improvement, although, where possible, the themes and content covered will be of relevance to other courses taught in the General Education programme. An emphasis of this course is on developing students' spoken and written accuracy in English. At the end of the course, the assessment will be partly based on an external standardized examination.

Pre-requisite: EELC110 or a required score in a placement test

EELC123/124 LISTENING AND SPEAKING IMPROVEMENT 1/2

These courses will develop oral proficiency of spoken English and listening comprehension at a low intermediate level. Listening will focus on note-taking and aural comprehension using thought-provoking material from texts, television, film and music. Speaking will focus on fluency, accuracy, and skills and strategies for effective communication and personal interaction. These courses will also place a large focus on vocabulary building and collocation for the purpose of improving spoken communication. A smaller focus on reading and writing will also be included in preparation for group presentations, role play and story telling. Group work involving discussion is an integral part of the course. In addition, the course will involve some contact assignments that will take place outside the classroom.

Prerequisite: None

Note: One semester of this course is equivalent to DPRE104. Students may enroll in one or both semesters of this course (i.e. not necessary to take EELC123 in order to enroll in EELC124).

EELC125/126 READING SKILLS & STRATEGIES 1/2

These one-semester 3-credit elective courses provide a foundation in reading comprehension, critical reading, and vocabulary development. Students will learn to locate main ideas and supporting details; make inferences, and understand common idioms and expressions. In addition, students will learn strategies which will help them to read faster and more effectively. Course activities include reading and vocabulary assignments, discussions, and presentations.

Pre-requisite: None

Note: Students may enroll in one or both semesters of this course (i.e. not necessary to take EELC125 in order to enroll in EELC126).

EELC127/128 GRAMMAR & WRITING IMPROVEMENT 1/2

These one-semester three-credit courses will focus on basic sentence structure for simple and compound sentences, expanding to complex sentence structures as students become more proficient. Editing to recognize sentence- and paragraph-level errors such as subject-verb agreement, pronouns and plural forms, use of referents and transitions, and problems with sentence fragments will also be covered.

Pre-requisite: EELC001/002 or release from EELC001/002 based on placement or admission assessments.

Students may enroll in one or both semesters of this course (i.e. not necessary to take EELC 127 in order to enroll in EELC128).

EELC130 Academic English

This course, at 3 hours per week, builds upon students' established competence in general English, and extends it by focusing on English for academic purposes. Students are introduced to study skills in English and the generic expectations of courses across the University curriculum. There will be an emphasis on the development of key academic vocabulary, and skills such as the proper citation of sources. The purpose of the Academic English course is further to support the students' ability to undertake instruction in the medium of English and to use spoken and written English effectively in their major and other GE courses.

Pre-requisite: EELC120, or a required score in a placement test

EELC227/228 INTRODUCTION TO ACADEMIC WRITING 1/2

These two courses cover the basic skills students need for academic writing. In addition to essential word processing skills, students will be taught writing techniques such as planning, drafting, and revising. In the second semester the main focus will be on the revision of papers using self- and peer-evaluation. Students will also be taught the basic skills of how to locate, evaluate, and document sources. Students are expected to learn these skills through analyzing sample papers, engaging in process writing, and responding to papers written by their peers. Upon completion of these courses, students are expected to have acquired the technical knowledge of how to write and organize a basic academic paper.

Prerequisite: EELC012 or permission of instructor

Note: Students may enroll in one or both semesters of this course. EELC227 is equivalent to ENGL294 and EELC210

EELC290/291 SPEAKING AND FLUENCY/PUBLIC SPEAKING

These courses aim to help students improve their English language skills, especially in regard to fluency and accuracy in spoken English. Speaking and Fluency course topics include, but are not limited to, pronunciation, intonation, and word stress with students asked to practice English in a host of different language settings. Students will explore current theory and practice of how to be a more effective user of English when speaking for various purposes. In the Public Speaking course, a review of current theories and practices regarding effective presentation skills will lead to an application of those skills when speaking for various audiences and purposes. Students will be asked to engage in critical review of themselves and others with an aim toward setting and meeting individual goals as they work to improve their expressive and persuasive skills.

Prerequisite: EELC122 or permission of instructor

Note: These courses are equivalent to ENGL290/291 and EELC211/212

EELC327/328 ADVANCED ACADEMIC WRITING 1/2

These one-semester three-credit writing courses will enable students to express themselves coherently when engaged in written academic discourse. The courses offer intensive work and instruction in writing skills through the discussion and analysis of assigned readings. Students spend time responding to multiple drafts of peer academic papers to improve precision and clarity in the writing process. Other necessary skills addressed in these courses are identifying and making logical arguments as well as avoiding faulty reasoning. Upon completion of these courses, students are expected to have acquired the confidence and techniques to write academic papers in a professional writing style.

Pre-requisite: EELC121/122 or permission of instructor

Note: Students may enroll in one or both semesters of this course

EELC331/332 SPEAKING 1/2 (ADVANCED)

These courses emphasize elements of both verbal and non-verbal communication in public settings. Students will engage in a variety of public speaking activities, will critically evaluate their own and others' performances, and will learn how to utilize presentation tools such as handouts and PowerPoint. Students should enhance their confidence in speaking and demonstrate effective oral presentation skills.

Pre-requisite: EELC121/122 or permission of instructor

Note: This course is equivalent to ENGL318/319

EELC341/342 ADVANCED INTEGRATED SKILLS 1/2

These one-semester three-credit courses may use a content- or theme-based approach to engage students in critical thinking, logical analysis, persuasion/argumentation, and other high level language skills required in academic English. Needs analysis will help determine which skills to emphasize each semester. Students will be expected to work independently and in groups. Topics may address current events as well as participants' major fields of study. Class

materials will reflect the language level expected of high-intermediate to advanced level students whether they plan to enter the workforce or pursue graduate studies in English.

Pre-requisite: EELC121/122 or equivalent or permission of instructor

EELC350/351 INTRODUCTION TO ENGLISH LANGUAGE TEACHING INTERNSHIP 1/2

This 3-credit elective course offers students an opportunity to experience an English language classroom as an observer, participant, assistant, and novice teacher in the English Language Centre. With the course instructor, students with demonstrated prior knowledge of English teaching methodology 1) learn about and practice classroom and activity management, 2) do micro-teaching, and 3) critique each other's lesson plans and teaching demonstrations. Students spend class time with a cooperating language instructor observing and assisting in a low-intermediate English language classroom. Individual contracts that meet minimum course requirements will be drawn up to allow for a personalized, optimal teaching and learning experience.

Students who are interested to continue accruing their teaching practice experience may elect to take Introduction to English Language Teaching Practice II as an extension of Introduction to English Language Teaching Practice I. Introduction to English Language Teaching Practice I is not a prerequisite of Introduction to English Language Teaching Practice II, and students may enrol in one or both semesters of this course depending on the number of credits they wish to earn. Students are not required to take these two courses in sequence.

Pre-requisite: EDEB211/EDEB221 or permission of instructor

EELC450 THESIS WRITING WORKSHOP

This is a 3-credit elective writing course for students who need writing help when completing an undergraduate or graduate thesis. The course emphasizes the recursive nature of the writing process and takes students through the different stages of planning, drafting, and revising. The course will introduce students to methods of supporting arguments, positions, and points of view within a thesis, including various forms of citation and documentation of references. Students receive instructor feedback that focuses on readability, including cohesion and coherence. They also critique each other's writing, with an emphasis on the development of self-revision. Students will examine the various genres within thesis writing and evaluate the effectiveness of these writing styles. In particular, students will need to demonstrate an understanding of academic writing as a series of expert practices that are situated within specific disciplines, and to develop the necessary skills for reading and writing within those disciplines.

Pre-requisite: EELC122 or permission of instructor

Special Topic Electives (Meet 80 minutes/week for one semester)

EELC221/222 SPECIAL TOPIC ENGLISH LEVEL II A/B

Pre-requisite: EELC011/012 or equivalent or permission of the instructor

EELC321-324 SPECIAL TOPIC ENGLISH LEVEL III A/B/C/D

Pre-requisite: EELC121/122 or equivalent or permission of the instructor

EELC421-424 SPECIAL TOPIC ENGLISH LEVEL IV A/B/C/D

Pre-requisite: EELC121/122 or equivalent or permission of the instructor

Notes: Special Topic courses meet once a week (1.5 hours) and carry 1 credit. They are meant to encourage students to take an English class for enjoyment or self-improvement and to be intrinsically motivated to sign up for and attend the class. At level II, one special topics class will be announced at each level each semester and at levels III and IV, two special topics classes will be announced at each level each semester. However, a minimum number of students will be required by the end of drop-and-add for the class to actually be offered.

ENGB110 INTRODUCTION TO LITERARY STUDIES I

The purpose of this course is to help students develop basic skills for understanding major literary genres and to increase their sensitivity to the language and devices used in literature.

Students will be introduced to a basic critical vocabulary with which to examine a range of literary texts. The genres covered in this course include poetry, and short fiction.

Pre-requisite: None

ENGB111 INTRODUCTION TO THE STUDY OF LANGUAGE

This course surveys the major areas in linguistics and attempts to answer two questions: What is language? How can language be studied scientifically? To address these issues the course will introduce basic concepts and analytic tools for describing and explaining the nature and structure of language. Major topics may include properties of language, human language and other communication systems, brain and language processing, spoken and sign language, writing systems, language families, etc. The course will also raise the students' awareness and understanding of language use.

Pre-requisite: None

ENGB120 INTRODUCTION TO LITERARY STUDIES II

The purpose of this course is to further develop reading and analytic skills for understanding extended works of prose and dramatic fiction. The course will build on the basic critical vocabulary introduced in ENGB110. The genres covered in this course include the novel and drama.

Pre-requisite: ENGB110

ENGB121 DESCRIBING THE SOUNDS OF ENGLISH

This course studies the theory and techniques of descriptive linguistics as applied to the pronunciation of contemporary English. It addresses the basic questions of: What are the sounds of English, how are they produced and perceived, and how are they described? The course will introduce students to the pronunciation of different varieties of English and increase their sensitivity to their own pronunciation of English.

Pre-requisite: None

ENGB210 SURVEY OF ENGLISH LITERATURE I

This course presents a chronological survey of works from major periods and genres of English literature. Literature from important periods will be studied in their historical context. The course will begin with an introduction to English literature in the medieval period and end with an introduction to the 18th century, and will include the study of Chaucer, English Renaissance dramatists, and Neo-classical poetry.

Pre-requisite: None

ENGB211 INTRODUCTION TO ENGLISH GRAMMAR

This course describes the syntax and morphology of modern Standard English. It introduces in an accessible way the necessary terminology and modes of analysis that students need in order to understand English structure, and it provides a firm foundation for further studies in linguistics.

Pre-requisite: None

ENGB220 SURVEY OF ENGLISH LITERATURE II

This course presents a chronological sampling of literature from major periods and genres of English literature, which will be studied in their historical context. The course will begin with the 18th century and continue to the end of the 19th century, covering topics that include Neo-classical satire, Romanticism, and writing in the Victorian period.

Pre-requisite: ENGB210

ENGB221 LANGUAGE AND SOCIETY

This course will introduce students to the study of language in a social context and to the various theories and methods of sociolinguistics. Topics that will be covered may include bilingualism and multilingualism, second language variation, language and identity, dialectology, stylistic variation and language change.

Pre-requisite: None

ENGB280 LANGUAGE STUDIES FOR TRANSLATION

This course is designed to compare and contrast Chinese and English at various levels – lexical, phrasal, sentential and textual. Theoretical concepts are introduced in relation to translation problems. Upon completion of this course, students are expected to appreciate the major differences between Chinese and English, and be able to use essential linguistic tools to deal with translation problems.

Pre-requisite: None

ENGB281 INTRODUCTION TO THE THEORY AND PRACTICE OF TRANSLATION

This course prepares students for more specialized translation courses in later semesters. While it attempts to familiarize students with fundamental theoretical concepts of and various approaches to translation, it is a practice-oriented course by nature. Particular attention is placed on strategies and methods of translation in relation to the functions of the text, and on various approaches to deal with translation problems.

Pre-requisite: None

ENGB282 INTRODUCTION TO INTERPRETATION

This course strengthens students' foundational knowledge and communicative abilities required in consecutive interpretation (CI). It is designed to train the students in the skills concerned, including vocabulary building, memory retention, thought organization, sight translation and note-taking. Students will learn to use the techniques of CI progressively, starting from single sentences to longer segments. Classes are conducted in the language laboratory to give students practical experience.

Pre-requisite: None

ENGB283 CONSECUTIVE INTERPRETATION

This course concentrates on the practice of consecutive interpretation (CI). Focusing on coping tactics of CI comprehension, reformulation and production, it involves intensive practice sessions with various simulation drills on a diverse range of subjects. It also aims at building up students' public speaking and dialogue abilities and professionalism in the process. Classes and tests are conducted in the language laboratory.

Pre-requisite: None

ENGB310 20TH CENTURY AND CONTEMPORARY LITERATURE IN ENGLISH I

This course introduces students to a selection of major texts in poetry and fiction that illustrate important themes, concerns, and literary techniques of literature in English during the first half of the 20th century. The main emphasis will be on Modernism in Anglo-American writing.

Pre-requisite: None

ENGB311 WORKING WITH SPOKEN DISCOURSE

This course will introduce the major approaches to the analysis of spoken discourse, including conversation analysis, discourse analysis and critical discourse analysis. It will equip the student with basic methodologies of data collection, transcription and analysis and establish those techniques essential for studying spoken discourse in institutional settings such as those of journalism, medicine, education or law.

Pre-requisite: None

ENGB320 20TH CENTURY AND CONTEMPORARY LITERATURE IN ENGLISH II

This course introduces students to selected major texts that illustrate important themes, concerns, and literary techniques of literature in English during the 20th century. Topics to be covered may include the theatre of the absurd, feminist concerns, postmodernism, and English literature from outside the Anglo-American tradition.

Pre-requisite: ENGB310

ENGB321 LANGUAGE AND MEANING

This course is concerned with one of the fundamental issues in linguistics: meaning. It looks at

meanings of individual words and the meanings they engender in combination (semantics), as well as how language-users construct meaning in communication (pragmatics). Fundamental concepts and issues introduced may include sense and reference, semantic features, lexical relations, polysemy, non/literality, presupposition, inference, implicature, speech acts and politeness.

Pre-requisite: None

ENGB330 BILINGUALISM

This course introduces students to the basic concepts and issues in the study of bilingualism by focussing on issues related to the social and cultural background of bilingual communities, namely, the systematic use of different languages, language maintenance and shift, language attitudes and the motivations and effects of code-switching. The course references the Hong Kong context and discusses how some key concepts have been applied in accounting for bilingualism in Hong Kong. It is hoped that students will learn from comparing Hong Kong with Macao or other bilingual communities.

Pre-requisite: None

ENGB331 BILINGUALISM AND DISCOURSE

This course investigates several topics pertaining to bilingual code-switching, in particular, different instantiations of code-switching in various genres such as spontaneous conversation, classroom discourse, computer-mediated-communication (CMC), radio discourse or pop songs. Theoretical concepts such as those borrowed from the markedness model, conversation analysis, the orality-literacy continuum or genre analysis are introduced in analyzing real data, primarily Chinese-English examples attested in the Hong Kong/Macao/China contexts.

Pre-requisite: ENGB330

ENGB332 THE DISCOURSES OF THE NEWS

This course will examine the role of discourse in the dissemination of the news in modern societies by examining how linguistic choices are related to the definition of news topic and to the construction of the audience, as well as how such choices are affected by the medium of communication, whether this be print, broadcasting or online digital communication.

Pre-requisite: None

ENGB333 LINGUISTICS AND LITERATURE

This course will examine what linguistics can tell us about the special nature of literary discourse. It will explore the potential of linguistics for describing and explaining literary effects and will apply linguistics to texts from a range of periods and genres, including fiction, drama and poetry. In this way it will provide an opportunity for students to apply their linguistic analytic skills to enhance their understanding of literature.

Pre-requisite: None

ENGB334 LANGUAGE AND COGNITION

The course investigates the relationship between language, language use, and human cognition: how language is grounded in human perception and conceptualization at both the individual and sociocultural levels. The course will introduce students to the fundamental concepts and issues involved, including frames, attention, metaphor, metonymy, categorization, and mental spaces.

Pre-requisite: None

ENGB335 SYNTAX

This course introduces students to the fundamental issues in the description and analysis of phrase and clause structures. Students will learn analytic skills in the survey of major syntactic phenomena, including phrase structure, constituency, the lexicon, agreement, movement, negation, clause types, and subordination.

Pre-requisite: None

ENGB336 SYNTACTIC THEORY

Building on basic knowledge of syntactic analysis, the course deals with a proper understanding of the Principles and Parameters Theory and its application in linguistic research. Students will learn how this theory approaches such issues as linguistic universals, syntactic constraints and parameters, as well as how the theory is adopted in the studies of language acquisition.

Pre-requisite: ENGB335

ENGB337 LANGUAGE ACQUISITION

This course introduces key concepts and surveys major issues in language acquisition, with a focus on the acquisition of English syntax/grammar and morphology. Three types of language acquisition will be considered and compared, namely, first language acquisition, second language acquisition and bilingual language acquisition. Data are drawn from monolingual children who speak English as their first language, bilingual children who are also exposed to Cantonese/Chinese, and second language learners whose first language is Cantonese/Chinese.

Pre-requisite: None

ENGB338 LANGUAGE AND GENDER

This course explores possible differences in language use between men and women and the degree to which these differences may affect gender relations. Do men talk differently than women? Are there gendered communication styles? Do these vary across typical contexts and across cultures? To what extent do these possible differences in language and style reinforce existing power relations between men and women? The course will draw on existing research in the area from a variety of disciplinary perspective and will include opportunities for practical research and field work.

Pre-requisite: None

ENGB339 PRINCIPLES OF LANGUAGE CHANGE

This course is an introduction to the study of change in language over time. It examines processes of change at all linguistic levels: vocabulary, meaning, sounds and grammar. The growth and development of the English language from the 5th century until the present day will form the background for the course. Examples may also be drawn from other languages.

Pre-requisite: None

ENGB340 WORLD ENGLISHES

This course will introduce students to the study of contemporary and historical varieties of English worldwide. The pluralistic status of English varieties as well as the nature and effect of standards and standardizing varieties will be emphasized. The course may include historical approaches to varieties, geographical approaches or an approach that focuses on several recurring themes of how English is used internationally.

Pre-requisite: None

ENGB341 ADVANCED ENGLISH PHONOLOGY

This course studies in greater detail the patterns and functions of sounds in English. The course will deal with both the segmental and suprasegmental issues of English, and will discuss, in particular, the phonemic or phonological problems in the analysis of English.

Pre-requisite: None

ENGB342 ADVANCED ENGLISH STRUCTURE

The course is a more in-depth study of English grammar. It provides students with the argumentative techniques required in syntactic analyses. Particular attention will be given to the gradient nature of English categories and structures. The course will draw insights from different approaches where appropriate.

Pre-requisite: None

ENGB343 LANGUAGE IN INTERACTION

This course will introduce students to the study of 'Interactional Sociolinguistics' and the methods and findings of the area. It will draw upon a range of approaches that may include sociolinguistic discourse analysis, critical discourse analysis, ethnography of communication and linguistic anthropology. These will then be applied to topical issues such as language and power, language and education, and language and gender.

Pre-requisite: None

ENGB344 MORPHOLOGY

This course introduces students to the basic issues of linguistic morphology, the study of the structure of words. It covers important areas such as wordhood, word-formation processes, inflection, derivation, compounds and allomorphy. The course also examines current research on the relations between morphology, phonology and syntax.

Pre-requisite: None

ENGB345 CORPUS LINGUISTICS AND THE ENGLISH LANGUAGE

The course will examine the basic theory and practice of corpus linguistics as a method for researching aspects of the English Language. Topics may include: lexical, semantic and grammatical variation across text-types, and social-functional explanations for this variation; the effect of English's status as a world language on its speakers and the way in which it is spoken; and the major processes of current linguistic change in English (such as colloquialisation, Americanisation, and genre shift over time).

Pre-requisite: None

ENGB346 NARRATIVE, DISCOURSE AND IDENTITY

Narrative-making is a basic human behavior which pervades all domains of human experience. In terms of form, narratives can range from the most complex saga to the simplest recount of mundane events. More fundamentally, however, narratives fulfill certain crucial functions in human life: in cognition, information structuring, identity construction and performance, intersubjectivity, and sociocultural ritual. This course examines the construct of 'narrative' — what it is, what its structure is, how it is constructed, how it has been theorized — and how its various functions manifest themselves linguistically in discourse.

Pre-requisite: None

ENGB347 CHILDREN'S LITERATURE

This course examines a range of literature written for children and young adults. Classic and contemporary texts from various genres will be studied. These may include nursery rhymes, fairy tales, poetry, drama, fiction and film. The course will typically include an examination of the idea of childhood and the origins of children's writing. A survey of 19th and 20th century English-language writing for children will emphasize well-known texts.

Pre-requisite: None

ENGB348 VICTORIAN LITERATURE

This course will study novelists, poets, dramatists and prose writers whose work contributed to the diversity range of writing in the Victorian period. A range of texts will be examined in their social, religious, scientific, philosophical and aesthetic contexts. Issues such as the Industrial Revolution, imperialism, Faith and doubt and the "woman question" will be examined in relation to literary texts of the 19th century.

Pre-requisite: None

ENGB349 ROMANTICISM

This course will focus on the Romantic Movement, beginning with its rise to prominence in the late 18th century to its later influence on Western writing. Key English Romantic poets will receive special attention. Certain classic texts of the Gothic genre may also be considered. The socio-historical and cultural origins of Romanticism and its influence on near-contemporary Western writing may also be examined. A parallel aim of this course is the development of

competence in the analysis of poetry, especially the lyric poem.

Pre-requisite: None

ENGB350 DRAMA AND THEATRE

This course is designed to give the student a fuller understanding of the relationships among dramatic literature, performance, and society. This course will combine the academic study of dramatic literature in English with that of theatre history to demonstrate the inherently social character of drama-in-performance. A selection of plays and excerpts will be read and considered within cultural, social, and theatrical contexts.

Pre-requisite: None

ENGB351 MODERN DRAMA

The "modern drama" arose within the late-nineteenth-century cultural and political ferment of Europe, and theatre artists continued through the twentieth century to develop dramatic and theatrical forms. English-language dramatists, in addition to seminal European playwrights, have conducted their own formal experiments as they have continued to explore the relationship between the human condition and modernity. In this course, a variety of modernist experiments will be described in relation to specific historical contexts.

Pre-requisite: None

ENGB352 NINETEENTH-CENTURY AMERICAN LITERATURE

American literature in the nineteenth century reflected the hopes, the fears, and the social struggles of the new United States. Early in the century, poetry, novels, short stories, plays, autobiographies, and other literature examined the possibilities and problems of freedom. Freedom could foster spiritual and personal growth, but also empower some to enslave or dislocate others. Important later literature became increasingly scientific in its world view, and it looked with confidence or doubt toward an increasingly modern future.

Pre-requisite: None

ENGB353 TWENTIETH-CENTURY AMERICAN LITERATURE

American literature in the twentieth century engages with the United States' rapid expansion into a global power. The early century was an era of great novelists and poets troubled by fading traditions, commercial values, and increasing social regimentation. With the rapid development of technology and complex global systems of trade following the Second World War at mid-century, many American writers struggled to reconnect with nature and with the more naturally human.

Pre-requisite: None

ENGB354 GENDER AND LITERATURE

Based on the insights provided by British, American and French feminist scholarship, this course will examine the ways in which gender has been constructed in canonical literary texts in diverse contexts. It will then focus on the study of several recent feminist works of literature that offer alternative representations of gender. The course may also consider the gendering of masculinity and other gender related topics that concern the analysis of either canonical or contemporary writing.

Pre-requisite: None

ENGB355 INTRODUCTION TO LITERARY CRITICISM

Like all discourse, literary criticism has a historical character. Critical statements about literature combine critical and philosophical traditions with a contemporary understanding about imaginative writing and the role of the critic. To study literary criticism is to become self-conscious about what is read, how it is read, what response it elicits, and how it is to be evaluated. This course involves reading selections from literature and literary criticism to address these and other questions.

Pre-requisite: None

ENGB356 SHAKESPEARE

This course is designed to give students an opportunity to explore a range of Shakespeare's plays through which they can learn to appreciate the thematic and linguistic richness of the playwright's works. Selected plays will be studied in connection with the theatrical and cultural backgrounds of Elizabethan England. Students will also be familiarized with schools of Shakespearean criticism in the 20th- and 21st-centuries. In addition, the class will read selected sonnets and narrative poems.

Pre-requisite: None

ENGB357 CREATIVE WRITING I

This course uses examples of canonical or famous literature to develop critical reading skills and, more importantly, to support the production by students of their own imaginative work. Various genres of creative writing will be practiced throughout the course, and this may include fiction, poetry and life writing. The focus is on students' creative production, in both individual and in group work. Students will draft and polish their work with the goal of publication and/or performance, and they will present creative portfolios at the end of the semester.

Pre-requisite: None

ENGB358 CREATIVE WRITING II

This course continues from the foundation of ENGB357 to develop students' critical reading and writing skills. Various genres of creative writing will be practiced throughout the course, usually including fiction, poetry and life writing. The focus is on students' creative production, in both individual and in group work. Students will draft and polish their work with a goal of publication and/or performance, and they will present creative portfolios at the end of the semester.

Pre-requisite: ENGB357

ENGB359 THE ENGLISH RENAISSANCE

This course is designed to offer students an opportunity to broaden their understanding of the English Renaissance and to develop a critical appreciation of the work of major writers from the period. Areas of study will include poetry and drama from Elizabethan, Jacobean, and Caroline periods. A number of key concepts will be introduced, such as 'Metaphysics', 'Reformation', and 'Humanism'. We will also explore popular themes and topics which include love, sexual relations, religion, and order.

Pre-requisite: None

ENGB360 POSTCOLONIAL WRITING

This course is a general survey of the issues and concerns in the field that is broadly called postcolonial studies. It aims to develop a critical awareness of the effects of British imperialism on the literary production of formerly colonized places. A selection of literary texts from outside the Anglo-American tradition will be read alongside critical texts dealing with concerns such as identity, representation, nationhood, and diasporas.

Pre-requisite: None

ENGB361 WORLD LITERATURES IN ENGLISH

This course will examine the histories, development and concerns of literatures written in English outside the Anglo-American tradition defined in relation to specific geographical areas, national cultures or socio-political movements. The specific areas for study will depend on faculty availability and specialist interest.

Pre-requisite: None

ENGB362 LIFE NARRATIVES

This course is designed to introduce students to the literary genre of life narratives and to familiarize them with the interrelationship between fact and fiction. Texts studied are chosen from different cultures and historical periods in order to provide a survey of different forms of life writing (auto/biography, memoir, diary), as well as different modes of discourses in relation to one's socio-cultural identity.

Pre-requisite: None

ENGB363 POETRY AND POETICS

This course examines poetry, along with poetic practices and theories, from many different languages and cultures, in both oral and written forms. Students are asked to consider how the texts studied represent the contexts from which they originate. Emphasis is placed on how poetry works and on how it provides us with a vehicle for understanding cultures and the differences between them.

Pre-requisite: None

ENGB364 MAJOR AUTHORS

This course is an intensive study of the life and the works of a significant author (or authors) with important contributions to the development of canonical or contemporary literature written in English. Author(s) studied may vary from year to year.

Pre-requisite: None

ENGB365 SPECIAL TOPICS IN LITERATURE I

This course is a focussed study of an area in literary studies. The content will vary from year to year depending on the availability of staff.

Pre-requisite: None

ENGB366 SPECIAL TOPICS IN LITERATURE II

This course is a focussed study of an area in literary studies. The content will vary from year to year depending on the availability of staff.

Pre-requisite: None

ENGB367 SPECIAL TOPICS IN LINGUISTICS I

This course is an intensive study of an area in linguistics. The content will vary from year to year depending on the availability of staff.

Pre-requisite: None

ENGB368 SPECIAL TOPICS IN LINGUISTICS II

This course is an intensive study of an area in linguistics. The content will vary from year to year depending on the availability of staff.

Pre-requisite: None

ENGB380 LANGUAGE, CULTURES AND TRANSLATION

This course provides students with an awareness of cross-cultural differences and cognitive problems involved in inter-lingual translation. The first part of the course will discuss general problems in cultural representation and reception, with special reference to issues such as "linguistic differences", "religious differences" and "conceptual differences". The second part of the course will discuss translation strategies and methods of rendering cultural differences.

Pre-requisite: None

ENGB381 TRANSLATION FOR THE MEDIA

This course is an introduction to translation for the media. Texts to be translated and adapted may include: news reports/releases, interviews, public notices and advertisements. Special attention will be paid to the linguistic, stylistic and cultural features of writing for the media in both Chinese and English so that students will learn how to apply different strategies and methods to translating texts for different purposes.

Pre-requisite: None

ENGB382 TRANSLATION OF BUSINESS AND LEGAL WRITINGS

This course introduces the characteristic features of business and legal writings and translation strategies and methods employed when by translating a variety of business and legal documents. Such documents may include minutes, annual reports, business correspondence,

tender documents, and legal contracts. Particular attention will be paid to translation problems such as legal equivalence, terminology, register, and structural layout.

Pre-requisite: None

ENGB383 CONFERENCE INTERPRETATION

This course will mainly focus on training students in simultaneous interpretation, though consecutive interpretation will also be discussed. Students will be introduced to note-taking, mnemonic devices, visualization and other techniques employed in interpretation. The course will include an overview of conference interpretation and introduce techniques employed in the practice through selected readings and workplace simulation.

Pre-requisite: None

ENGB384 LITERARY TRANSLATION

This course covers a wide range of literary genres: poetry, fiction, prose (including famous speeches) and drama. General theories of literary translation principles and strategies will be introduced along with analyses of selected literary translations as examples. The course will emphasize the identification of linguistic, stylistic and cultural features of literary texts and apply methods of translation specific to each of the sub-genres.

Pre-requisite: None

ENGB430 SENIOR THESIS

Students selected for the Senior Thesis class will work on a research topic of their choice over one semester. Thesis topics will be selected and developed under the supervision of a staff member with whom the student will meet regularly. The length of the thesis will usually be between five and eight thousand words.

Pre-requisite: By invitation

ENGB480 TRANSLATION WORKSHOP

In the translation workshop, students will be working in groups, and each group has to translate a long piece of text of a particular genre. During the course of translation, discussions will be conducted on how to solve translation problems and how strategic decisions are to be made. Presentations will be given by students on their translation experience and their final product. Good translations may be selected for publication.

Pre-requisite: None

ENGB481 AUDIOVISUAL TRANSLATION

This is an introduction to subtitling and dubbing for film and television between English and Chinese. The nature and characteristics, as well as translation principles and strategies pertaining to this particular area of translation studies, will be reviewed and discussed. Emphasis is put on topics on subtitling, especially translation techniques for overcoming the conflict between the medium constraints and comprehensibility of culture-bound utterances.

Pre-requisite: None

ENGB482 TRANSLATION OF JOURNALISTIC WRITING

This course is designed for students who wish to further their interest in the translation of journalistic writings, which include news articles, editorials and commentaries across a wide spectrum of fields. It will involve an in-depth study of the characteristics of journalistic writing and the differences between journalistic writing in Chinese and English. Students will translate a wide variety of texts including reportage and reviews on politics, economics, culture, sports and entertainment. They will also be introduced to aids and tools employed in journalistic translation for web-based portals.

Pre-requisite: None

ENGB483 SIMULTANEOUS INTERPRETATION

This course will involve intensive sessions of practice in listening, comprehension, shadowing, paraphrasing and finally simultaneous interpreting. Texts for interpretation will be selected from

a variety of fields and genres to expand general knowledge and vocabulary of students. The course will also help students acquire a better understanding of the subject of interpreting in general and Simultaneous interpretation in particular.

Pre-requisite: None

ENGB484 SPECIAL TOPICS IN TRANSLATION I

This course is designed to permit visiting scholars, or existing staff, to offer undergraduate level courses in their particular areas of specialization. The topic and content of the courses will vary from year to year depending on the availability of specialized staff.

Pre-requisite: None

ENGB485 SPECIAL TOPICS IN TRANSLATION II

This course is designed to permit visiting scholars, or existing staff, to offer undergraduate level courses in their particular areas of specialization. The topic and content of the courses will vary from year to year depending on the availability of specialized staff.

Pre-requisite: None

ENGB431 GRADUATION PROJECT

Students who elect to take the Graduation Project class will work on a group research project that involves an element of outreach (e.g. involvement in workplace learning; school, community or residential college liaison; fieldwork; participation in a recognized competition; etc.) Students will meet on a regular basis in small groups with the staff member acting as their project supervisor. The meetings will plan the project and organize the outreach element. The elective will be examined by a portfolio of reflective assignments, which in total will amount to between five and eight thousand words.

Pre-requisite: None

ENGL703 LINGUISTICS RESEARCH METHODS

The purpose of this course is to improve students' language awareness, academic communication skills, and research abilities so they can perform competently as they complete an MA degree in English. Course content and activities are meant to develop skills in academic research and writing to include understanding research methods and thesis development processes as well as presenting "mock" research proposals orally and in writing.

Pre-requisite: None

ENGL704 COMPARATIVE CHINESE - ENGLISH STRUCTURE

This course involves the comparative description and analysis of the respective sound structures, morphological structures, and syntactic structures of Chinese and English from the perspective of current linguistic theory. Topics addressed may include tone, stress, and rhythm in the languages, prosody, word formation, phrasal and clausal structure, interrogation, embedding, conjoining, comparison, focusing devices, the auxiliary, and temporal and aspectual representation.

Pre-requisite: None

ENGL705 COURSE DESIGN FOR ELL

Approaches to course design and elements to consider when effectively planning English language learning courses will be demonstrated by an examination of the ways in which these components interact when designing, evaluating, and revising courses. Students will investigate course design processes and issues both firsthand and through discussions with practitioners and have opportunities via individual and group projects to apply course design principles to selected situations and settings.

Pre-requisite: None

ENGL706 CURRENT TRENDS AND ISSUES IN LANGUAGE LEARNING

This course will examine the newest trends as well as current issues in language learning. An investigation of the most recent underlying theories and hypotheses regarding language

acquisition will be combined with research reports and "current practices" in areas such as: multimedia (CALL, internet, etc.), co-operative learning, multiple intelligences, the arts (e.g. music, art, dance, drama, literature), use of authentic materials and video, content-based and theme-based instruction, projects, critical thinking, process writing, reflection and metacognition, alternative assessment, and action research.

Pre-requisite: None

ENGL707 DESCRIPTIVE LINGUISTICS

This course covers three fundamental areas of language description: the analysis of morphology (word structure), syntax (sentence structure), and semantics (the structure of meaning). Examples will be drawn from English and other languages, including Chinese.

Pre-requisite: None

ENGL708 FIRST LANGUAGE ACQUISITION

Theories pertaining to first language acquisition including the innateness hypothesis, imitation and reinforcement, creative construction of a grammar, etc. will be the first area of focus. The developmental stages of language acquisition will then be explored with attention given to phonology, morphology, and syntax. Characteristics of caretaker speech will be followed by theory and practice in regard to emergent literacy and the ways in which language and literacy are encouraged in school settings.

Pre-requisite: None

ENGL710 LANGUAGE VARIATION

This course is concerned with the analysis and description of variation in languages, including the factors that condition variation, the relationship between language variation and language change, and the formation of new language varieties (e.g. of English). The framework for the course is the Labovian approach to variation. Students will conduct exercises involving data collection, data codification, and analysis by means of the VARBRUL computer programmes.

Pre-requisite: None

ENGL711 MATERIALS IN TESL/TEFL

This course will provide an understanding of materials design principles, techniques, and issues while also examining the ways in which texts and materials can be used to guide, inform and enhance L2 English language learning. You are expected to become familiar with materials, sources and professional resources available while evaluating and designing materials for selected TESL/TEFL situations and settings.

Pre-requisite: None

ENGL712 PHONOLOGY

This course constitutes an overview of phonological theory and analysis. While data from a range of languages will be discussed, however, the focus will be on English. The topics covered will include phonological rules, representations, underlying forms, derivations, and justification of phonological analyses. Attention will also be given to the interaction of phonology with morphology and syntax, syllable structure and stress. The course will emphasise practical skills with problem sets.

Pre-requisite: None

ENGL713 PSYCHOLINGUISTICS

This course introduces students to the biological, neurological and cognitive bases for language, language development, multilingualism and second language acquisition, and language disorders. It will also deal with some aspects of natural language processing in relation to certain areas of linguistic analysis: phonology, the lexicon, morphology, syntax, semantics, and discourse.

Pre-requisite: None

ENGL714 RESEARCH DESIGN

In this course students will discuss data collection purposes and procedures and then work with various problems and data sets while deciding what types of analysis are appropriate. In addition, students will learn about the use of statistical procedures in the analysis of research data and will be introduced to the use of computers with statistical packages to analyse data. When at all possible, research designs covered will relate to students' individual areas of research interest (e.g. thesis work).

Pre-requisite: None

ENGL715 SECOND LANGUAGE ACQUISITION

This course will examine current theories of second language acquisition, in relation to the acquisitional process, developmental stages, and external factors conditioning acquisition, including the effects of the first language, age of acquisition, motivation, instructional context and the nature of input. Topics discussed will include the critical period hypothesis, parallels with first language acquisition, bilingualism and exceptional language learning.

Pre-requisite: None

ENGL716 SECOND LANGUAGE TEACHING AND LEARNING

The purpose of this course is to provide an overview of major changes in the theory and practice of second language teaching and learning over the last two decades. Shifts in educational, psychological, and linguistic theory have led to significant changes in language learning practices and beliefs. In this course, you will read about and discuss major trends and current issues, also considering ways that teachers, researchers, and instructional designers incorporate emerging ideas within current practices.

Pre-requisite: None

ENGL717 SOCIOLINGUISTICS

This course will examine language variation as it occurs within the notion of a speech community and introduce some of the major theories and methods used in the study of language in society. Topics to be covered may include bilingualism & multilingualism, pidgins, creoles & trade languages, code-switching, second language variation, language & identity, language shift, and language variation. Students are expected to have a good understanding of linguistics and language structure before they enter the course, as these topics depend upon a pre-requisite knowledge of linguistics.

Pre-requisite: None

ENGL718 SYNTAX - THE STRUCTURE OF ENGLISH

This course will deal with the advanced description of syntactic structure from the perspective of current linguistic theory. Within the framework of the Principles and Parameters perspective, it will cover selected issues in the theory of constituent structure and the syntax of predicates, arguments, and grammatical relations. Students will be introduced to each of the seven major components of Principles and Parameters Theory: case theory, theta theory, X'-theory, binding theory, the theory of alpha movement, locality conditions, and the theory of Logical Form (LF).

Pre-requisite: None

ENGL719 CHILDREN'S LITERATURE

This course examines various genres of literature for a range of age levels, including nursery rhymes, fairy tales, poetry for children, children's and teenage novels, animation, and feature-length films.

Pre-requisite: None

ENGL720 CHINA IN ENGLISH LITERATURE

Europeans first became aware of China, or Cathay, in the thirteenth century but it was only after the Portuguese opened the sea route to Asia in the early sixteenth century that China as a culture and civilisation fully impinged upon the Occidental imagination. In this course we will study how China has been interpreted and understood in English-language writing from the

sixteenth century onwards. Students will study a wide selection of texts - literary, historical, travel narrative - as well as the emergence of chinoiserie in seventeenth and eighteenth-century Europe. The course may also consider Macao's role in the propagation of an idea of China to the Western world.

Pre-requisite: None

ENGL721 CINEMA STUDIES

This course considers the emergence of cinema in the twentieth century and looks at world cinema from various points of view. Students, with the aid of various readings from film theorists, will view and discuss a variety of classic and contemporary feature films.

Pre-requisite: None

ENGL722 COLONIAL AND POSTCOLONIAL WRITING

This course will examine the interactive relationship between imperialism/colonialism and literature written in English. The role of imperial discourse in the shaping of 19th and early-20th century English fiction and the reciprocating role of imaginative writing in the maintenance of British imperial authority will be an important focus of the course. Significant attention will also be devoted to writing as a counter-discursive reaction to imperialism and colonialism.

Pre-requisite: None

ENGL724 CULTURAL THEORY AND LITERARY CRITICISM

This course examines major trends and texts in aesthetics, in cultural theory, and in literary criticism. Focusing mainly on key works in these fields, students of culture and literature will be able to develop their own skills in approaching a text from various perspectives and in the critical expression of their ideas.

Pre-requisite: None

ENGL725 DRAMA & THEATRE STUDIES

This course will address major works of dramatic literature spanning the sixteenth to twentieth centuries and will examine the development of realism and naturalism in the creation of modern and contemporary drama. In addition to textual analysis, students will look at various plays from the point of view of production, and the works of major directors will also be considered. The course aims to place dramatic works within the context of theatre studies.

Pre-requisite: None

ENGL726 EIGHTEENTH-CENTURY ENGLISH LITERATURE

The eighteenth century was one of the most dynamic periods in European history as it was the period of the Enlightenment, the American War of Independence, the French Revolution, and the emergence of Britain as a major world power. This course will examine the literature of this dynamic century and it will draw also on the art, music, and architecture of the time. This was also the century of satire, and writers like Swift and Sheridan, together with artists like Hogarth and Gilray may also be studied.

Pre-requisite: None

ENGL727 ENGLISH LITERATURE BEFORE SHAKESPEARE

A study of selected major works from Old and Middle English literature along with their historical and cultural backgrounds. Old English works will be read in translation while Middle English works will be studied in the original language. Sufficient time will be dedicated to developing students' ability to read ME texts with accuracy and pleasure. Selections from the Canterbury Tales will form an important part of the course.

Pre-requisite: None

ENGL728 LITERARY LINGUISTICS

This course will introduce methods for examining literary texts according to principles and issues that typically concern linguists. This type of examination will largely focus on the study of "stylistics", a formalistic method of analysis of the style and diction of literary language. In

addition, this course may introduce other methods of analysis, such as quantitative analysis methods, analysis of eye-dialect, or genre analysis. Finally, this course may also introduce literary works that address linguistic topics, such as language variation, language policy, and language learning.

Pre-requisite: None

ENGL729 MODERNITY IN ENGLISH LITERATURE

This course examines the impact of modernity on English and American literature. The course will trace the emergence, development, and influence of modernism in Anglo-American writing. The first half of the 20th century, the period of High Modernism, will receive special attention. Also considered will be the legacy and surviving influence of modernism.

Pre-requisite: None

ENGL730 POETICS

Poetry has formed the basis of literary study from earliest times and this course will examine the place of poetry in our culture. Students will be introduced to the often complex nature of poetics and versification, including metre, rhythm, rhyme, and the many poetic forms, such as the epic, the sonnet, and the lyric. Students will study a range of English-language poems from this rich literary tradition.

Pre-requisite: None

ENGL731 ROMANTICISM

This course is an in-depth study of the impact of Romanticism on Anglophone writing. The course will begin with a consideration of the origin of romanticism, its development, and application as a conceptual model. Romantic poetry in the English tradition and its influence on near-contemporary and later writers will be a primary focus. Some major themes can include nature, time, love, and death.

Pre-requisite: None

ENGL732 VICTORIAN NOVELS AND POETRY (1840 - 1870)

Covering the period of High Victorianism, the course looks at novelists like Dickens, Mrs. Gaskell, Disraeli, and the Brontes as social critics. The course also includes issues of British regionalism and provincialism in 19th-century fiction, focusing on such authors as Eliot and Hardy. Works by Tennyson, the Brownings, and other major poets of the period will be studied within their social and intellectual contexts.

Pre-requisite: None

ENGL733 ADVANCED TRANSLATION STUDIES

This course offers a comprehensive survey of contemporary translation theories. It focuses on major schools of translation theory such as cultural-literary, linguistic, communicative, polysystemic, and poststructuralist. The course will provide students with a theoretical and methodological foundation for evaluating translations and will prepare students for further studies and academic research.

Pre-requisite: None

ENGL734 ADVANCED BUSINESS TRANSLATION

In this course students will study and format features and the related translation methods in translating a variety of business documents, including topics on translation of business correspondence, business contracts and certificates, annual reports, minutes, notices, memos, catalogues, operational manuals, advertisements, and other promotional materials.

Pre-requisite: None

ENGL735 COMPUTER-ASSISTED TRANSLATION

This course teaches computer applications in translation, such as bilingual word-processing, the use of electronic dictionaries and references, and the use of translation software for translation

between Chinese and English and other language pairs.

Pre-requisite: None

ENGL736 CONFERENCE INTERPRETATION: SIMULTANEOUS AND CONSECUTIVE

This course aims at training students in the techniques of conference interpretation. Classes will be conducted in the language laboratory to give students practical experience in interpretation. Both simultaneous and consecutive interpreting will be introduced and practised. Techniques in note-taking, paraphrasing, memory strengthening, etc. will be further practised.

Pre-requisite: None

ENGL737 CONTRASTIVE STUDY OF ENGLISH AND CHINESE FOR TRANSLATION

This course provides detailed analysis of similarities and differences of English and Chinese, specially focusing on differences which impact on English/Chinese translation. Topics include: word order, idioms and set expressions, clause structure and information structure. The structures and functions of each language will be presented in comparison to highlight their uniqueness. Students will have the opportunity to do hands-on work that relates Chinese/English translation to contrastive study of the languages.

Pre-requisite: None

ENGL738 A DISCOURSAL APPROACH TO TRANSLATION STUDIES

This course offers a translation study-oriented examination of the use of language by English and Chinese communities. It may take the discursal approach to the study based on different theoretical perspectives: the social theory of language, known as systemic functional linguistics, speech act theory, pragmatic theory and the relevance theory. With both spoken interaction and written texts as objects of analysis, this course involves the study of both language form and function. It identifies linguistics features that characterise different genres as well as social and cultural factors that aid in the understanding and interpretation of different texts.

Pre-requisite: None

ENGL739 GENDER IN TRANSLATION STUDIES

This course introduces students to a general understanding of the theories and practices of feminism and issues related to gender, language, and translation. It will examine questions of sexism in language, subjectivities and writing, text and representation, cultural identity and politics of transmission in the context of Chinese and English. Texts to be examined may include original and translated works of feminist theories, writing on gender issues and works of women writers.

Pre-requisite: None

ENGL740 HISTORY, CULTURE AND TRANSLATION

This general introduction to the history of translation focuses on the long relationship between the Chinese language and Western European languages, and considers other translation traditions where relevant. The first part of the course examines the works, activities, and roles of important translators in history, with special reference to Macao's pivotal role in the history of translation. The second part of the course will look at the role of translation in the dissemination of knowledge, culture, law, and trade.

Pre-requisite: None

ENGL741 INTERPRETATION FOR COMMUNICATION

This course focuses on training students in fundamental skills of sight and liaison interpreting from Chinese to English and from English to Chinese. Classes may be conducted in either the classroom or in the language laboratory. Techniques in note taking, paraphrasing, memory strengthening, etc. will be taught.

Pre-requisite: None

ENGL742 INTRODUCTION TO LEGAL TRANSLATION

This is an introductory course which aims, in very general and preliminary terms, at familiarising

the students with issues and problems involved in legal translation. Given the non-legal background of the students, the course will provide a general introduction to law and legal language. The students will have the opportunity to compare some existing translated legal documents with their original versions in order to understand the complexities of legal translation.

Pre-requisite: None

ENGL743 INTRODUCING TRANSLATION STUDIES: THEORY AND PRACTICE

In this course lectures are designed to introduce and explain the important concepts of and various approaches to translation; seminars are largely discussion classes providing the main vehicle for the analysis of translation problems encountered in students' exercises and of published translation texts. In-depth discussion and practice exposure to a great variety of texts for translation enable students to learn and develop their practical translation skills, and to heighten their perception of the nature of translation.

Pre-requisite: None

ENGL744 LITERATURE, CULTURE AND TRANSLATION: LANGUAGE AND IDEOLOGY

This course will examine the relationship between literature, culture, and translation with respect to ideological questions in selected works from the Chinese and Western literary traditions. Examples of the questions which may be explored include gender, race, colonialism, post-colonialism, humanism, and religion. These questions will be discussed on two levels: (i) comparison of different writers' approaches within the same broad cultural tradition, and (ii) comparison of approaches between different cultural traditions. Through these discussions, students will develop an understanding of some of the major concerns of writers in different cultural traditions. Texts of different genres and backgrounds will be selected for discussion.

Pre-requisite: None

ENGL745 LITERARY TRANSLATION

This course will introduce approaches to literary translation. Students will learn to identify the linguistic, stylistic, and cultural features of literary texts as well as to formulate strategies for translating those works. Seminars are conducted to examine the particularities of different literary genres, such as poetry, drama, and fiction, and the special strategies required for their translation.

Pre-requisite: None

ENGL746 READING TRANSLATED WORKS

The aim of this course is to enable students to learn the skills and the art of translating as well as to appreciate the stylistic treatments and philosophic attitudes involved. This course examines the methods and principles of evaluating translated works through reading and discussion activities. It will focus on the study of Chinese translations of English writings and English translations of Chinese writings.

Pre-requisite: None

ENGL747 SEMINAR ON SPECIAL TOPICS IN TRANSLATION

This course tries to familiarise students with different text types such as literary works, commercial and legal documents, scientific literature, advertisements, news stories, and magazine articles through introductions, exercises, and class presentations as well as discussions. Selected topics in this course will be discussed and analysed, particularly focusing on difficulties encountered in the students' translation practice so as to develop their abilities in evaluating and translating different kinds of texts.

Pre-requisite: None

ENGL748 TRANSLATING CULTURES

This course aims at providing students with a basic understanding of the cognitive and epistemic problems involved in cross-cultural encounters and dialogues. General problems in cultural representation will be discussed with particular reference to the systematically used cultural

stereotypes such as "the Orient" and "the Occident". The epistemological and political underpinnings of the ways in which the East-West divide has been historically established will be demonstrated and critically analysed with concrete examples, enhanced by the perspectives of cultural history and of translation studies. In contrast to courses that are entitled "Culture and Translation", this course will focus also on the new cultural identities that emerged in recent years as a result of East-West contacts via translations.

Pre-requisite: None

ENGL749 TRANSLATION FOR THE MEDIA

In this course students will learn the basic techniques for translating for the media, including newspapers, news magazines, and press releases. Students will study and compare the linguistic, stylistic, and cultural features of writing for the media in both Chinese and English, then learn approaches for translating such texts between the two languages. Attention will also be paid to the standard reference tools for this kind of translation.

Pre-requisite: None

ENGL750 TRANSLATION OF SUBTITLES

The course deals with the skills required in translating film and television subtitles. Special attention will be paid to the characteristics of these text types and the related translation methods and skills. The Skopos theory will be the theoretical framework for this course to encourage students to adopt the receptor-oriented and market-based approaches to this type of translation.

Pre-requisite: None

ENGL751 TRANSLATION OF TEXTS IN THE ARTS

In this course the students will learn the basic terminology, vocabulary, and techniques for translating texts in the arts, primarily in music, painting, and film.

Students will be required to translate either (i) programme notes of recitals and concerts, and TV/Radio talks on music; or (ii) catalogues of exhibitions and museum collections of items of arts and antiques; or (iii) films.

Pre-requisite: None

ENGL752 TRANSLATION OF TEXTS IN SOCIAL SCIENCES

This course will introduce students to the basic socio-political concepts used in different cultures. It aims to enable students to compare and reflect on these social issues and socio-cultural concepts when they are used in the contexts of both Chinese and Western societies. It will provide students with an historical background of when and how these concepts are introduced, both in Chinese and in English. Samples of writing in the social sciences, including economics, political science, sociology, and anthropology, will be selected and students are required to work on their translations.

Pre-requisite: None

ENGL753 DISCOURSE ANALYSIS

This course covers the key concepts and methods of the linguistic approach to the analysis of spoken discourse and written discourse. Topics covered will include language beyond the sentence, global and local properties of speech and writing, narrative structures, new and old information, subjects and topics, foregrounding and backgrounding.

Pre-requisite: None

ENGL754 EVALUATION AND ASSESSMENT OF LANGUAGE USE

This course introduces students to fundamental concepts of language testing and assessment and critically examines testing instruments and procedures for specific purposes, with particular attention to test use in classroom settings.

Pre-requisite: None

ENGL755 HISTORY OF ENGLISH

This course surveys the development of English from the fifth century until the present, including the historical and cultural contexts of changes in the language. Old, Middle, and Early Modern English texts will be examined in terms of phonology, graphology, morphology, lexicon, syntax, and semantics. Topics such as the effects of cultural and technological developments, dialectal variation, and genetic affiliations may also be examined.

Pre-requisite: None

ENGL756 SPECIAL TOPICS IN LINGUISTICS

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on the availability of specialised staff. Examples of specialised topics that may be offered include: Language and Gender, Second Language Reading and Writing, Language Typology, Morphology and Lexicography, etc.

Pre-requisite: None

ENGL757 GENRE STUDIES

This course will present the concept of literary kinds or types, including the problems of classification, the ways in which expectations of genre influence understanding, and the relationship between genre and ideology. Selected forms of imaginative literature, such as the novel, poetry, and drama, as well as non-imaginative types, such as journalistic essays and travel writing, will be studied.

Pre-requisite: None

ENGL758 THE NOVEL IN ENGLISH

This course is an in-depth study of the novel as a literary genre. The course will begin with the rise of the novel in the 18th century and proceed to examine the various stages of its development, concentrating particularly on significant aesthetic changes in English fiction in the 20th century. The course concludes with a consideration of the novel today and its future direction.

Pre-requisite: None

ENGL759 SHAKESPEARE

This course will offer an advanced analysis of selected plays showing the generic range of Shakespeare's work. Non-dramatic works may also be included. The course considers varying stage realisations of Shakespeare's drama and the centrality of Shakespeare in Western literature.

Pre-requisite: None

ENGL760 SPECIAL TOPICS IN LITERATURE

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on availability of specialised staff. Examples of specialised topics that may be offered include: detailed and close study of major works of literature e.g., Joyce's *Ulysses*, Shakespeare's *Hamlet*; Milton's *Paradise Lost*; particular genres, e.g., travel writing, satire, science fiction; or study of a particular writer.

Pre-requisite: None

ENGL761 SURVEY OF WORLD POETRIES

This course ranges across cultures and civilisations to give students an understanding of poetry as both oral and written expression. The course deals with poems translated into English from many languages. It also studies poems from various contemporary literatures in English. Students will be asked to consider how these texts represent the context from which they originate. Emphasis is placed on how poetry works and how it provides us with a vehicle for understanding cultures and the differences between them.

Pre-requisite: None

ENGL762 WOMEN'S WRITING

The central concern of the course will be female authors such as Jane Austen, the Brontës, Virginia Woolf, and other historical, modern, and contemporary writers whose reputations have been convincingly established in literary history. The course also covers women writers who, for various reasons, have dropped out of the canon, but who are enjoying a revival. The historical circumstances peculiar to their sex, as well as the linked literary, social, and political concerns that surround the problem of identifying how writers construct and are constructed will be studied.

Pre-requisite: None

ENGL763 SPECIAL TOPICS IN LINGUISTICS I

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on the availability of specialised staff. Examples of specialised topics that may be offered include: Language and Gender, Second Language Reading and Writing, Language Typology, Morphology and Lexicography, etc.

Pre-requisite: None

ENGL764 SPECIAL TOPICS IN LINGUISTICS II

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on the availability of specialised staff. Examples of specialised topics that may be offered include: Language and Gender, Second Language Reading and Writing, Language Typology, Morphology and Lexicography, etc.

Pre-requisite: None

ENGL765 SPECIAL TOPICS IN LINGUISTICS III

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on the availability of specialised staff. Examples of specialised topics that may be offered include: Language and Gender, Second Language Reading and Writing, Language Typology, Morphology and Lexicography, etc.

Pre-requisite: None

ENGL766 SPECIAL TOPICS IN LITERATURE I

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on availability of specialised staff.

Pre-requisite: None

ENGL767 SPECIAL TOPICS IN LITERATURE II

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on availability of specialised staff.

Pre-requisite: None

ENGL768 SPECIAL TOPICS IN LITERATURE III

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on availability of specialised staff.

Pre-requisite: None

ENGL772 WORLD ENGLISHES

This course will undertake an examination of the nature of international languages, global communication, and the historical context that has led to the current use of English as an international language. In addition to the study of international varieties of English, this course will examine issues such as language policy, language education, literary canons, and language change within the context of the global use of English as an international medium of communication.

Pre-requisite: None

ENGL773 CREATIVE WRITING

This course deals with imaginative texts as products of discursive processes. Canonic texts from a wide range of literary styles and genres are presented for critical appreciation and as models for students' own creative work. The course aims to encourage students' own creativity and (for teaching participants) the application of relevant techniques and models in the student's own teaching practice.

Pre-requisite: None

ENGL774 BILINGUALISM

This course introduces the study of bilingualism as it is made manifest, e.g. through code-switching, and explores ways to analyse it in different social, cultural, communicative and generic contexts. It starts with an introduction to the definition of code-switching and similar phenomena (such as borrowing, code-mixing and code-alternation), and then it looks into major ideas and frameworks that have been proposed to analyse code-switching. Special attention is devoted to research on code-switching in Chinese/English contexts.

Pre-requisite: None

ENGL775 COGNITIVE LINGUISTICS

The course introduces the student to Cognitive Linguistics, a field in linguistics which studies the relationship between language, language use, and human cognition: how language is grounded in human perception and conceptualization; from the most mundane linguistic expressions about time and space, to the most fantastical linguistic behaviors such as the Buddhist koan. The course will introduce students to fundamental concepts and issues, as well as the major theories of the field, including frames, attention, conceptual metaphor, metonymy, categorization, and mental spaces.

Pre-requisite: None

ENGL776 CORPUS LINGUISTICS

This course introduces students to the practices and issues involved in corpus linguistics. Its aims are to demonstrate the practical use of online corpora to explore questions asked by scholars of language and literature, and to address some of the main theoretical issues raised by corpus design and analysis. Students familiarize themselves with some of the available online corpora and practise using concordancers, and search tools that give information about frequencies, collocations, colligations, etc. The classes cover language analysis at the levels of lexis, grammar and discourse and applications such as lexicography and language teaching. As the course progresses, the students consider questions of representation, size, transcription and tagging in the building of a customized corpus.

Pre-requisite: None

ENGL777 MEDIA DISCOURSE

This course explores some of the more recent genres of broadcast talk in close detail, focusing on cases such as the celebrity interview, the talk show, news interviewing and some kinds of reality TV show. The course explores the way language has been adapted to the requirements of new media such as the internet and the cell phone. By the end of the course students should be familiar with key concepts for understanding mediated language drawn from sociology, linguistics and critical discourse analysis including notions of register, genre, the cooperative

principle, implicature, face work, politeness, participation framework and social deixis. They should also have gained competence in collecting, transcribing where necessary, and analysing instances of broadcast talk or mediated language using concepts acquired in the course.

Pre-requisite: None

ENGL701 UNDERSTANDING AND INTERPRETING RESEARCH

The purpose of this course is to introduce the major components of research as carried out in literature, translation, and linguistic fields of investigation. Students will read a variety of studies in each field with a focus on understanding and evaluating study design, procedures, analyses, as well as the use of electronic resources and synthesising appropriate sources into annotated bibliographies and literature reviews.

Pre-requisite: None

ENGL813 SPECIAL TOPICS IN ENGLISH LINGUISTICS

One or more courses may be offered as a Special Topic in English Linguistics. These may include a continuation of the Practice of Scholarship course, focusing on the experiencing of submitting papers to an academic journal; a course reviewing major approaches to the linguistic analysis of English, advanced topics on a specific area of English linguistics; or a special topic in Translation Studies.

Prerequisite: ENGL890

ENGL814 SPECIAL TOPICS IN ENGLISH LITERARY STUDIES

One or more courses may be offered as a Special Topic in English Literary Studies. These may include a continuation of the Practice of Scholarship course, focusing on the experience of submitting papers to an academic journal; a course on the history of the book and print culture that focuses on historical texts and the modes of their production; advanced topics on a specific area of English literary studies; or a special topic in Translation Studies.

Prerequisite: ENGL890

ENGL815 RESEARCH WRITING

This course is for students who do not have an MA, will teach them how to construct a consistent argument over a longer period than a simple research paper. The course will use various source texts and exercises, and will be examined by coursework.

Pre-requisite: None

ENGL816 ADVANCED RESEARCH WRITING

This course will require students to learn how to write research papers and to structure their arguments in academic writing. The course will use various source texts and exercises, and will be examined by coursework.

Pre-requisite: None (for students admitted with a relevant Master's degree); Research Writing (for students admitted without a relevant Master's degree)

Pre-requisite: None

ENGL890 PRACTICE OF SCHOLARSHIP I

This is an experiential task-based course in research methods. Outlining course aims and allocating key roles; deciding a conference theme; deciding a date & organizing a venue; writing a call for papers (cfp); publicising the cfp; suggesting, contacting and confirming plenary speakers; reviewing, accepting & rejecting submissions; writing individual conference papers; training in presentation skills; organizing timetable; promoting and running conference.

Prerequisite: None

FAHC800 RESEARCH ETHICS

The course Research Ethics will be conducted online. PhD students will be required to pass the web-based learning modules in the CITI Programme (Collaborative Institutional Training Initiative at the University of Miami). Human Subjects Research – Social-Behavioral-Educational

(SBE) Modules that was picked for FAH PhD students, content includes history and ethical principles, defining research with human subjects, the federal regulations, assessing risk, informed consent, privacy and confidentiality, research with prisoners and with children, research in public elementary and secondary schools, international and internet-based research, unanticipated problems and reporting requirements in social and behavioural research.
Pre-requisite: None

FAHC801 UNIVERSITY TEACHING

This course on university teaching is for first year Ph.D. students. The course will introduce students to the issues, practices and strategies for teaching at the university level. Through assigned readings and in-class discussions, the course will prepare students to observe teaching and to demonstrate teaching of in a mini-lesson from their subject area in English, Chinese, Portuguese, or Philosophy. Students will be evaluated based on individual participation, contributions in-class, and teaching the mini-lesson.
Pre-requisite: None

FREN100/101 INTRODUCTION TO FRENCH I/II

A course that focuses on the comprehension of spoken French and the ability to communicate orally in a variety of everyday situations. The reading and writing of simple texts will also be introduced.
Pre-requisite: None

FREN200/201 INTERMEDIATE FRENCH I/II

A course that expands and extends the skills developed in FREN100/101. Students will receive intensive instruction and practice in speaking, reading and writing.
Pre-requisite: FREN100/101

FREN300/301 READING COMPREHENSION AND WRITING I/II

A continuation of FREN200/201. A more advanced course in comprehension and writing skills.
Pre-requisite: FREN200/201

FREN400/401 FRENCH IN THE MODERN WORLD I/II

A course that introduces students to a range of authentic contemporary texts representative of modern French culture, both in France and in the wider French-speaking world.
Pre-requisite: FREN300/301

GRMN100 INTRODUCTION TO GERMAN I

The course will integrate all four language skills, speaking, listening, reading and writing, throughout class and home assignments and provide guidance and practice to develop essential study skills. The main focus will be on understanding and speaking German of moderate difficulty, and you will be introduced to the contemporary civilization and culture of the German peoples through the textbook and supplementary materials from the Internet, CDs, etc. You will also study some of the major grammatical and structural aspects of the language.
Pre-requisite: None

GRMN101 INTRODUCTION TO GERMAN II

This course will integrate all four language skills in class and home assignments and provide guidance and practice to develop essential study skills. The aim will be to extend the number of typical everyday situations in which you are able to understand and speak German of moderate difficulty. In compliance with each chapter, you will receive information on the contemporary civilization and culture of the German peoples through the textbook and supplementary materials from the internet, cds, etc. You will also continue to study some of the major grammatical and structural aspects of the language.
Pre-requisite: GRMN100

GRMN200 GERMAN, ADVANCED BEGINNERS, LEVEL I

The course will integrate all four language skills throughout the class and home assignments. The objective will be to expand 1) the range of vocabulary through the coverage of new topics of general interest and relevance and 2) the range of grammatical and structural aspects. Listening and speaking will remain the focus of the course but there will be a stronger emphasis on reading and writing compared with the beginner courses to apply and strengthen the acquired skills and knowledge freely and comprehensively. In addition, background information on the contemporary civilization and culture of the German peoples will be provided.

Pre-requisite: GRMN101

GRMN201 GERMAN, ADVANCED BEGINNERS, LEVEL II

The course will be of the same nature as German for Advanced Beginners, Level I. All four language skills as well as grammar will be integrated in class and home assignments. The objective will be to apply and strengthen the acquired knowledge and skills and to expand on 1) the range of vocabulary through the coverage of new topics of general interest and relevance and 2) the range of grammatical and structural aspects. Students will be guided towards applying the existing knowledge freely and comprehensively in relevant tasks. The focus will be on communicative competence, which means students will have to use communication skills and the language appropriately depending on the given task context, with grammar as integral component necessary to varying extent. Background information on the contemporary civilization and culture of the German peoples will be provided.

Pre-requisite: GRMN200

JPNB110 PRACTICAL JAPANESE I

This course aims to develop Japanese language ability in daily conversation, reading and writing. At the same time, it also introduces Japanese Studies, including basic cultural ideas that are needed in the acquisition of the language. At the end of this course, students acquire very basic conversation skills of Japanese

Co-requisite: JPNB111

JPNB111 JAPANESE GRAMMAR I

This course is oriented to practical Japanese grammar. Students will learn basic sentence patterns and grammar that serve as the foundation for learning the language. Students will put this knowledge into practical use in situations from actual Japanese daily life. At the end of this course, students can recognize basic Japanese grammar.

Co-requisite: JPNB110

JPNB120 PRACTICAL JAPANESE II

This course is a continuation of Practical Japanese I and also aims at the development of Japanese language ability in daily conversation, reading and writing. At the same time, it also introduces Japanese Studies, including basic cultural ideas that are needed in the acquisition of the language. At the end of this course, students acquire basic conversation skills of Japanese

Pre-requisite: JPNB110 and JPNB111 or with permission of instructor and confirmation of proficiency by test

JPNB121 JAPANESE GRAMMAR II

This course is a continuation of Japanese Grammar I. This course is also oriented to practical Japanese grammar. Students will learn basic sentence patterns and grammar that serve as the foundation for learning the language. Students will put this knowledge into practical use in situations from actual Japanese daily life. At the end of this course, students can recognize basic Japanese grammar.

Pre-requisite: JPNB111 or permission of instructor

JPNB210 PRACTICAL JAPANESE III

This course provides training in the comprehension and the use of conversational Japanese. The courses emphasize oral communication skills. Students will be provided different tasks

focused on practical daily conversational communication in order to help build confidence in speaking Japanese. At the end of this course, students can converse at the intermediate level in spoken Japanese.

Pre-requisite: JPNB120 and JPNB121 or permission of instructor

JPNB211 JAPANESE GRAMMAR III

This course is oriented to intermediate practical Japanese grammar. Students will learn intermediate level sentence patterns and grammar that serve as the foundation for learning the language. Students will put this knowledge into practical use in situations from actual Japanese daily life. At the end of this course, students can recognize and use intermediate Japanese grammar.

Pre-requisite: JPNB121 or permission of instructor

JPNB212 JAPANESE READING I

This is an intermediate course focused on reading skills. Reading texts will focus on major elements of contemporary Japanese life. Various types of texts will be used in order to build a solid foundation of vocabulary and "kanji". At the end of this course, students can read intermediate Japanese reading material.

Pre-requisite: JPNB121 or with permission of instructor and confirmation of proficiency by test

JPNB213 JAPANESE COMPOSITION I

This course aims to provide instruction and intensive practice in Japanese writing skills. Students will be taught to write compositions and reports, and then evaluate and revise their work. At the end of this course, students can compose intermediate level Japanese sentences.

Pre-requisite: JPNB121 or with permission of instructor and confirmation of proficiency by test

JPNB220 PRACTICAL JAPANESE IV

This is the continuation of Practical Japanese III and provides training in the comprehension and the expression of conversational Japanese. The courses emphasize oral communication skills. Students will be provided different tasks focused on practical daily conversational communication in order to help build confidence in speaking Japanese. At the end of this course, students can conduct Japanese conversation at the intermediate level.

Pre-requisite: JPNB210 or permission of instructor

JPNB221 JAPANESE GRAMMAR IV

This is the continuation of Japanese Grammar III. This course is oriented to intermediate practical Japanese grammar. Students will learn intermediate level sentence patterns and grammar that serve as the foundation for learning the language. Students will put this knowledge into practical use in situations from actual Japanese daily life. At the end of this course, students can recognize intermediate Japanese grammar.

Pre-requisite: JPNB210 or permission of instructor

JPNB222 JAPANESE READING II

This course is a continuation of Japanese Reading I. This intermediate course focuses on reading skills. Reading texts will focus on major elements of contemporary Japanese life. Various types of texts will be used in order to build a solid foundation of vocabulary and "kanji". At the end of semester, students can read intermediate Japanese reading material.

Pre-requisite: JPNB212 or permission of instructor

JPNB223 JAPANESE COMPOSITION II

This course is a continuation of Japanese Composition I and also aims to provide instruction and intensive practice in Japanese writing skills. Students will be taught to write compositions and reports, and then evaluate and revise their work. At the end of this course, students can compose intermediate level Japanese sentences.

Pre-requisite: JPNB213 or permission of instructor

JPNB310 BUSINESS JAPANESE I

This course covers intermediate business Japanese. Students learn how to conduct business in Japanese. This course also introduces specialized Japanese business language and conduct. At the end of this course, student can use business conversation at the intermediate level.

Pre-requisite: JPNB220 or permission of instructor

JPNB312 JAPANESE RESEARCH METHOD I

Basic research methodology is introduced and Japanese research papers are analyzed. At the end of the course, students will be prepared to conduct and then write a research paper in Japanese.

Pre-requisite: JPNB220 Practical Japanese IV or permission of instructor

JPNB313 SELECTED READINGS IN MODERN JAPANESE I

These courses are designed to expose students to contemporary social topics in Japan through electronic and print media. Students will be updated with the ever-changing issues in the Japanese society, such as new words in the language, the change of Japanese political structure and society.

Pre-requisite: JPNB222 or permission of instructor

JPNB320 BUSINESS JAPANESE II

It is a continuation course of JPNB310 Business Japanese I to advance level.

Pre-requisite: JPNB310 or permission of instructor

JPNB322 JAPANESE RESEARCH METHOD II

This is a continuation of Research Method I. Basic research methodology is introduced and Japanese research papers are analyzed. At the end of the course students will write a short research paper in Japanese.

Pre-requisite: JPNB312 or permission of instructor

JPNB323 SELECTED READINGS IN MODERN JAPANESE II

This course is the continuation of Selected Readings in Modern Japanese I and is designed to expose students to contemporary social topics in Japan through electronic and print media. Students will be updated with the ever-changing issues in the Japanese society, such as new words in the language, the change of Japanese political structure and society.

Pre-requisite: JPNB313 or permission of instructor

JPNB350 PRACTICAL JAPANESE V

This course focuses on the listening comprehension and the use of conversational Japanese. The course emphasizes oral communication skills. Students will be provided different tasks focused on practical daily communication in order to help build confidence in speaking Japanese.

Pre-requisite: JPNB220 or permission of instructor

JPNB351 PRACTICAL JAPANESE VI

This course is the continuation of Practical Japanese V and focuses on the listening comprehension and the use of conversational Japanese. The course emphasizes oral communication skills. Students will be provided different tasks focused on practical daily communication in order to help build confidence in speaking Japanese.

Pre-requisite: JPNB350 or permission of instructor

JPNB352 TRANSLATION AND INTERPRETATION I

This course is the beginning course in translation and interpretation. The course introduces basic concepts and skills required to translate and interpret between Japanese and Chinese, and Chinese and Japanese.

Pre-requisite: JPNB222 or permission of instructor

JPNB353 TRANSLATION AND INTERPRETATION II

This course is the continuation of Translation and Interpretation I. The course introduces advanced concepts and skills required to translate and interpret between Japanese and Chinese, and Chinese and Japanese.

Pre-requisite: JPNB352 or permission of instructor

JPNB354/355/356/357 SPECIAL TOPICS ON JAPAN I/II/III/IV

Special courses on various topics to be developed by current faculty and visiting scholars.

The course is designed to cover one topic from the areas concerning Japan, including Japanese language, literature, history, culture, philosophy, behavior, communication, journalism, economics, legal systems, political sciences, etc.

Pre-requisite: Permission of instructor

JPNB452 BUSINESS IN JAPAN I

This course introduces Japanese business management concepts and procedures. Students will learn general concepts of Japanese business management and how they differ from western ideas of business management. At the end of this course students are familiar with basic Japanese ideas of Japanese management.

Pre-requisite: JPNB320 or permission of instructor

JPNB453 BUSINESS IN JAPAN II

This course is the continuation of Business in Japanese I. This course introduces Japanese business management concepts and procedures. Students will learn general concepts of Japanese business management and how they differ from western ideas of business management. At the end of this course, students are familiar with basic Japanese ideas of Japanese management.

Pre-requisite: JPNB452 or permission of instructor

JPNB454 SELECTED READINGS IN MODERN JAPANESE III

This course is the continuation of Selected Readings in Modern Japanese II and is designed to expose students to contemporary social topics in Japan through electronic and print media. Students will be updated with the ever-changing issues in the Japanese society, such as new words in the language, the change of Japanese political structure and society.

Pre-requisite: JPNB323 or permission of instructor

JPNB455 SELECTED READINGS IN MODERN JAPANESE IV

This course is the continuation of Selected Readings in Modern Japanese III and is designed to expose students to contemporary social topics in Japan through electronic and print media. Students will be updated with the ever-changing issues in the Japanese society, such as new words in the language, the change of Japanese political structure and society.

Pre-requisite: JPNB454 or permission of instructor

JPNB456 MODERN JAPAN

This course introduces various aspects of modern Japan including Japanese society, business, politics, and popular culture. At the end of this course students will be familiar with some of the major social, political, popular cultural themes of modern Japan.

Pre-requisite: JPNB323 or permission of instructor

JPNB458 WORLD HISTORIES AND CULTURES

This course will provide an historical perspective for selected contemporary global issues. The aim of this course is to understand the variety of ways that the past has been brought into and understood in the present, rather than a comprehensive survey of a limited time and place. Students will also learn about the core concepts of history, culture, and globalization, which will be discussed in the context of the contemporary global issues that are the focus of each class. Each semester instructors will select pertinent "global issues" for inclusion in this course (one topic per section).

Pre-requisite: None

JPNB459 MACAO, CHINA AND OTHER SOCIETIES

This course is designed to help students understand the social development issues regarding Macao, China, and other societies. The core social science theories and concepts discussed will be the following: 1) Social stratification: How is society structured in Macao, compared to China and the rest of the world? 2) Social interaction. How do people interact socially, culturally, politically, and economically, to create and shape social worlds and human experience? 3) Continuity and change. How do societies succeed or fail in reproducing themselves in successive generations?

Pre-requisite: None

JPNB460 ART OF JAPAN

This course introduces traditional and modern visual and performing arts in Japan. An overview of the development of visual and performing arts in Japan will be introduced. At the end of the course, students will be able to recognize various historical traditions in Japanese art and modern Japanese art.

Pre-requisite: JPNB323 or permission of instructor

JPNB465 JAPANESE LITERATURE I

This course introduces students to selected modern Japanese literature. Early to late 20th Century short stories, poetry and novels will be read and discussed in the course. At the end of the course, students will be familiar with selected Japanese writers.

Pre-requisite: JPNB323 or permission of instructor

JPNB466 JAPANESE LITERATURE II

This is a continuation of Japanese Literature I. Selected modern Japanese literature will be introduced with an emphasis on recent Japanese literature. At the end of the course, students will have read several current Japanese writers and be familiar with current themes in Japanese literature.

Pre-requisite: JPNB465 or permission of instructor

JPNB467 COMMUNICATING IN JAPANESE

This course will equip students to become effective communicators in a globally interconnected knowledge society by developing their ability to both communicate their own ideas and to analyze and evaluate the communication of others. Through this course students will learn how to choose proper communication channels, and design and deliver effective oral and written messages with Japanese people in daily life. Students will learn similarities and differences between Chinese culture and Japanese culture. The aim of the course is to make each student a more competent and confident communicator.

Pre-requisite: JPNB450 or permission of instructor

JPNB468/469/470/471/472/473 SPECIAL TOPICS ON HUMANITIES I/II/III/IV

Special courses on various topics to be developed by current faculty and visiting scholars. The course is designed to cover one topic from the areas of humanities taught in Japanese language, including literature, language studies and methodology, philosophy, behavior science, communication, journalism, history, culture, law and political economy etc.

Pre-requisite: Permission of instructor

JPNB474/475/476/477/478/479 SPECIAL TOPICS ON SOCIAL SCIENCES I/II/III/IV

Special courses on various topics to be developed by current faculty and visiting scholars. The course is designed to cover one topic from the areas of social sciences taught in Japanese language, such as history, politics and law, education, journalism, business administration, international relation, sociology, psychology, economics and management, political sciences etc.

Pre-requisite: Permission of instructor

JPNB480 ADVANCED PRACTICAL JAPANESE I

This course emphasizes oral and written communication skills. Students will be provided

different tasks focused on practical daily communication in order to help build confidence in speaking and writing Japanese.

Pre-requisite: None

JPNB481 ADVANCED PRACTICAL JAPANESE II

This course is the continuation of Advanced Practical Japanese I and emphasizes oral and written communication skills. Students will be provided different tasks focused on practical daily communication in order to help build confidence in speaking and writing Japanese.

Pre-requisite: None

JPNB482 JAPANESE SOCIETY AND CULTURE I

This course is to expose students to various areas of Japanese society. The content will be updated with the ever-changing issues in Japanese society and culture, such as new words in the language, new fashion, social events in daily life, the change of Japanese political structure, etc.

Pre-requisite: None

JPNB483 JAPANESE SOCIETY AND CULTURE II

This course is the continuation of Japan Society and Culture I and is to expose students to various areas of Japanese society. The content will be updated with the ever-changing issues in Japanese society and culture, such as new words in the language, new fashion, social events in daily life, the change of Japanese political structure, etc.

Pre-requisite: None

JPNB180 ELEMENTARY JAPANESE I (ELECTIVE COURSE)

This course will cover very basic Japanese language. This course also includes basic reading and writing. At the end of this course, students can conduct very basic daily conversation in Japanese.

Pre-requisite: None

JPNB181 ELEMENTARY JAPANESE II (ELECTIVE COURSE)

This course is the continuation of Elementary Japanese I and includes basic reading and writing. At the end of this course, Students can function in daily conversations at the basic level

Pre-requisite: JPNB180 or permission of instructor.

JPNB280 ELEMENTARY JAPANESE III (ELECTIVE COURSE)

This course is a continuation of Elementary Japanese II. It also includes reading and writing. At the end of this course, students will have a basic knowledge of Japanese and will be able to conduct daily conversation at the basic level with more advanced vocabulary and syntax.

Pre-requisite: JPNB181 or permission of instructor

JPNB281 ELEMENTARY JAPANESE IV (ELECTIVE COURSE)

This course is a continuation of Elementary Japanese III. It includes reading and writing skills. At the end of this course, student can converse basic to intermediate daily conversation in Japanese.

Pre-requisite: JPNB280 or permission of instructor

JPNB380 INTERMEDIATE JAPANESE I (ELECTIVE COURSE)

This course is the intermediate Japanese language course. It covers reading and writing skills and also provides cultural information about Japan. At the end of this course, students can conduct daily conversation at the intermediate level.

Pre-requisite: JPNB281 or permission of instructor

JPNB381 INTERMEDIATE JAPANESE II (ELECTIVE COURSE)

This course is the continuation of Intermediate Japanese I. It also covers reading and writing skills and provides cultural information about Japan. At the end of this course, students can

conduct daily conversation at intermediate level with more advanced vocabulary and syntax.
Pre-requisite: JPNB380 or permission of instructor

PHIY100 WESTERN PHILOSOPHY: AN INTRODUCTION

This course attempts to provide an encompassing introduction to philosophy by looking at some of the fundamental problems philosophers discuss in a number of different areas of Western philosophy, such as general metaphysics, ontology, epistemology, philosophy of mind, philosophy of religion, and ethics. The classic materials are selected to provide a basis for understanding some of the central debates within each of these fields.

Prerequisite: None.

PHIY101 ASIAN PHILOSOPHY: AN INTRODUCTION

Asia is an area not only rich in culture, but serves as the cradle of various major civilizations of the world too. It takes thousands of years for them to shape up as we see it today. A study of Asian philosophy will reveal to us this crystallization process and will also inspire on us the way to shape our future. The course does not focus only on philosophy. Their associated origins, i.e., the corresponding beliefs, religious traditions, and the social functions of each tradition will also be discussed. It is interesting to learn through this course the differences in objectives and methodologies between different traditions, and how they interact or influence with one another, and in the end, the society. For better discussion, the course shall restrict the discussion on four major traditions: Shinto, Buddhism, Taoism, and Hinduism, since these are dominating philosophy in Asia for over thousands of years.

Prerequisite: None.

PHIY102 INTRODUCTION TO LOGIC

This course introduces students to logic. Topics include the concept of critical thinking, the nature and modes of reasoning, the structure of argument, premises and conclusions, validity, inference, fallacy, argumentation, deductive and inductive reasoning, and causal arguments.

Prerequisite: None.

PHIY 103 ANCIENT AND MEDIEVAL WESTERN PHILOSOPHY

The course will focus on the major themes of Ancient Greek philosophy and on major philosophers of Medieval Christianity. The question with which the Ancient Greek philosophy starts—What does the universe consist of?—will be discussed in the context of pre-Socratic philosophy as well as Plato's, Aristotle's and Plotinus' as well as Epicurean thought. The question—What can we know?—will be discussed in the context of Plato's and Plotinus' theory of ideas and Aristotle's and Stoics' epistemological doctrines. The question—What is good (and evil)?—will be discussed in the context of Plato's, Aristotle, Stoic and Epicurean thought. The influence of Ancient Greek philosophy will be traced in the teaching of the two great Christian thinkers – St. Augustine and St. Thomas Aquinas. The difference in their approach to philosophy to that of Ancient Greek thinkers will be a separate topic of discussion.

Prerequisite: None.

PHIY 104 MODERN WESTERN PHILOSOPHY

Modern philosophy in Europe developed under the influence of the original masterpieces of Ancient Greek Philosophy (in particular, Plato) and of discoveries in natural sciences and mathematics. The topics to be discussed in this are: 1. What kind of substances are there in the world and how do they interact? 2. What is the scope and subject of human knowledge? 3. What is the nature of good conduct? 4. How to achieve a good and efficient government? The first and second question will be discussed in the context of works of Descartes, Locke, Berkeley, Hume, Kant and Hegel. The third question will be discussed in the context of the teachings of Hume, Kant, Mill and Hegel. The fourth question is the subject of discussion of Machiavelli, Hobbes, Locke, Kant and Hegel.

Prerequisite: None.

PHIY 105 CONTEMPORARY WESTERN PHILOSOPHY

In the twentieth century, in Europe and the USA philosophy developed in two separate directions. The analytic tradition was developed in the UK and USA primarily as a response to the 19th century idealism and to the development of mathematical logic. In this tradition, a systematic analysis of concepts, particularly in epistemology and semantics, dominates over any other approach to philosophy. From this tradition, the works of Russell, Wittgenstein, Austin as well as the more recent works of Quine, Kripke and Davidson will be discussed. The non-analytic tradition built on the teachings of Kant and Hegel focuses on the questions of being and the possibility of transcendental knowledge. From this tradition, the works of Heidegger, Sartre, Lukacs and more recent works of Foucault and Habermas will be discussed. Prerequisite: Ancient and Medieval Western Philosophy or Modern Western Philosophy.
Prerequisite: None.

PHIY106 THE HISTORY OF CHINESE PHILOSOPHY

Philosophy provides a framework that teaches people how to think logically and critically. Through this framework, philosophy helps people to look for answers for questions like, "What is the origin and meaning of life?" and "How to build a happy world?" Even Chinese philosophy and Western philosophy share these common concerns, Chinese philosophy is still very different from the west, particularly in the way that it structures the cosmos, and the relation of the human and the universe. The course shall give an introduction to Chinese philosophy, alongside with its history of development. The historical approach to philosophical studies allows students to understand how different schools of philosophy in China are solidified out of the vast, vague, and sometimes appearing contradicting assumptions and hypotheses.
Prerequisite: None.

PHIY107 BUDDHIST PHILOSOPHY

A study of Buddhist views of the human predicament and its solution, covering different teachings and forms of practice from India, Southeast Asia, Tibet, China, and Japan.
Prerequisite: None.

PHIY108 COMPARATIVE ETHICS

What is the good life and how do human beings achieve it? What makes us distinct from other species and how do we best relate to our environment? How do our relationships to our own death and the death of others influence our conceptions of living well? This course provides a comparative introduction to Asian and Western responses to these questions. By interpreting and comparing conceptions of the self, action, and the good in Buddhism, Confucianism, and Daoism, on the one, and selected Western philosophers on the other hand, a nuanced account of the morally good and happy life will be developed.
Prerequisite: None.

PHIY109 HUMAN RIGHTS AND CULTURAL VALUES

Does the claim to the universality of human rights offer a groundwork for cross-cultural human values or is it itself an integral part of "global capitalism" or "Western hegemony"? What is the place of human rights in a society shaped by a non-Western frame of mind, for instance, by Confucian principles? What has been the political impact of recent human rights campaigns on non-Western societies? In this course we will seek to address these timely questions by focusing on the contemporary clash of Western notions of human rights with the cultural orientations of Asian societies, especially China. Substantial issues to be covered throughout the course include: universalism and multiculturalism, justice and virtue, the core/periphery distinction and globalization, cultural identity and class differentiation, religion and modes of modernity.
Prerequisite: None.

PHIY111 PHILOSOPHY OF MIND

This course considers theories in contemporary philosophy of mind, which is concerned with fundamental questions about the nature of the mind, and its place in the natural and social

worlds. It explores various theories of the mind, the relationship between mind and body, the self, the conception of consciousness, the human vs. non-human mind, introspection, and the knowledge of other minds.

Pre-requisite: None

PHIY112 POLITICAL PHILOSOPHY

This course engages central topics in political philosophy including the nature of justice, forms of governance, the public-private distinction as well as conceptions of political power and legitimacy. These topics will be addressed by studying seminal texts written by classical and contemporary political philosophers. The goal is to better understand the ways different political philosophies have given expression to various forms of political institutions and shape the lives of those people affected by them.

Pre-requisite: None

PHIY114 SPECIAL TOPICS IN PHILOSOPHY

Special courses on various philosophy topics

Pre-requisite: None

PHIY115 DAOIST PHILOSOPHY

This course explores the ancient Chinese philosophy of Daoism. It focuses on the texts Laozi (Lao Tzu) and Zhuangzi (Chuang Tzu) in order to arrive at a general understanding of crucial issues, concepts, and notions of "classical" Daoism. The course will present a general overview of the history of philosophical Daoism and focus on analyses of core Daoist images and allegories. On the basis of these images and allegories, major issues of Daoist philosophy will be discussed. The course will also include comparative outlooks to contemporary Chinese and Western philosophy.

Pre-requisite: None

PHIY116 MASS MEDIA PHILOSOPHY

This course introduces several theories on the Mass Media. The media theoreticians W. Benjamin, M. McLuhan, and N. Chomsky are introduced. The debate on the socio-political role of TV between H.-M. Enzensberger and his "postmodernist" critic J. Baudrillard will be discussed. The second half of the course will focus on N. Luhmann's description of the "Reality of the Mass Media".

Pre-requisite: None

PHIY117 PHILOSOPHY OF LANGUAGE

This course is an introduction to contemporary philosophy of language. Philosophy of language is concerned with many topics, of syntactic, semantic, and pragmatic nature, such as: meaning, truth, reference, epistemology of language understanding and language learning, ontology of languages, mental and psychological basis of communication, indeterminacy of translation, speech acts, metaphors, indeterminacy of translation, and so on. The course will offer an overview of these topics, with a special focus on their pragmatic features and on implicit communication.

Pre-requisite: None

PHIY210 PHILOSOPHY AND FILM

Since its emergence at the turn of the 20th century, film has made possible a new way of encountering the world. On the one hand, its ability to record, magnify, and reframe aspects of our world allows it to interrogate, narrate, and disclose the world – along with our modes of inhabiting it – in distinctive ways. On the other hand, being pledged to the plurality of individual lives in an intransigently material world, film holds out an irreducibly democratic promise. Understanding these large epistemic, aesthetic, and socio-political claims of the medium is the object of a philosophical analysis of film.

Pre-requisite: None

PHRS804 SPECIAL TOPICS IN PHILOSOPHY AND RELIGION I

This is an advanced course for PhD students focusing on some specific topic of research depending on the interests and competence of the instructor. Contents may include such methodologies as critical theory, deconstructive hermeneutics, postcolonial theory, identity politics, comparative religions, philological versus philosophical textual analysis, or history of ideas.

Pre-requisite: None

PHRS805 SPECIAL TOPICS IN PHILOSOPHY AND RELIGION II

This is an advanced course for PhD students focusing on some specific topic of research depending on the interests and competence of the instructor. Contents may include methodologies as critical theory, deconstructive hermeneutics, postcolonial theory, identity politics, comparative religions, philological versus philosophical textual analysis, or history of ideas.

Pre-requisite: None

PHRS806 RESEARCH WRITING IN PHILOSOPHY AND RELIGIOUS STUDIES

This is an advanced course for PhD students focusing on the development of the students' critical understanding of primary and secondary source texts in Philosophy and Religious Studies, and, in particular, on enhancing the students' capacity to analyze and discuss these source texts in the form of academic writing. Selection of specific topics and texts depends on the research field and area of expertise of the instructor.

Pre-requisite: None

PORT113 PORTUGUESE LANGUAGE I - INTRODUCTORY PORTUGUESE

Basic Portuguese. Principles of written and oral language. The comprehension and conversation through exercises in the class and language laboratory. The grammar fundamentals obtained through the use of simple pronunciation and reading materials.

Pre-requisite: None

PORT193 PORTUGUESE LANGUAGE II

Development of the programme and principles introduced in Portuguese Language I, aimed at applied Portuguese. Simple problems and written materials.

Pre-requisite: None

PORT292 PORTUGUESE III

Improvement of written comprehension and expression. The different levels of written and spoken Portuguese. Reading and interpretation of text from the press.

Pre-requisite: None

PORT293 PORTUGUESE LANGUAGE IV

Development of the programme and principles introduced in Portuguese Language I, aimed at perfecting the written and spoken Portuguese. Reading and interpretation of cultural and social texts from the press

Pre-requisite: None

PORT392 PORTUGUESE V

Reading interpretation of literary, scientific and technical texts. Writing of critical essays. Debates aimed at perfecting the oral expression and vocabulary.

Pre-requisite: None

PORT800 RESEARCH METHODS

The course aims at creating opportunities for the students to improve their skills in using digital and usual libraries and collecting data. It also aims at improving their critical capability to use bibliography and other tools to use in research in linguistics and humanities.

Pre-requisite: None

PORT806 FUNDAMENTAL READINGS IN PORTUGUESE STUDIES I

This module is intended to enhance conceptual analysis skills and to improve the ability to engage in critical discussions of fundamental texts in the field of Portuguese studies. In order to explore references of relevant cultural, literary or disciplinary interest, students will Template revised on 18 December 2015 2 be guided through a reading list of classic works which have greatly contributed to shape the way people think about literatures and cultures within the world of Portuguese language.

Pre-requisite: None

PORT807 FUNDAMENTAL READINGS IN PORTUGUESE STUDIES II

This module is a natural follow-up of Fundamental Readings in Portuguese Studies I and is designed to enhance conceptual analysis skills as well as the ability to engage in critical discussions of fundamental texts in the field of Portuguese studies. In order to explore Template revised on 18 December 2015 2 references of relevant cultural, literary or disciplinary interest, students will be guided through a reading list of classic works which have greatly contributed to shape the way people think about literatures and cultures within the world of Portuguese language.

Pre-requisite: PORT806

PORT808 ADVANCED RESEARCH AND ACADEMIC WRITING IN PORTUGUESE STUDIES

The seminar aims to provide students with a toolkit of writing strategies in Portuguese and to enhance their research skills. To build critical thinking and to observe academic conventions in different kinds of textual practice (abstracts, conference papers, journal articles, essays, dissertations, project drafting) are main goals of this course, where students will also learn to access resources such as library websites and online databases. Students will be encouraged to present their own research projects and to engage in reflexive approaches to reading, planning, drafting, revising and reviewing activities, while perfecting their mastery of Portuguese for academic purposes.

Pre-requisite: None

PORT809 CROSS-LANGUAGE TOPICS IN APPLIED LINGUISTICS

This seminar offers an advanced approach to general principles and practices in the field of applied linguistics, by covering its connections to other related disciplinary areas and addressing current debates in language acquisition, language pedagogy, pragmatics, sociolinguistics, multilingualism, and creolistics. A particular emphasis will be given to language transfer phenomena and interlinguistic issues in Portuguese language-based contexts.

Pre-requisite: None

PORT810 NEW TRENDS IN PORTUGUESE LITERARY AND INTERCULTURAL STUDIES

This course aims at studying current developments in Portuguese Studies in light of recent postcolonial debates. By addressing the diversity of cultural and artistic production in Portuguese within different geocultural frames (Europe, South America, Africa and the East), the course will stress the symbolic capital of Portuguese as a world language in times of expanding globalization and multicultural complexity.

Pre-requisite: None

PTAH700 LITERATURE AND CULTURAL STUDIES METHOD I

The course covers the basic issues in research methodology and theories relevant to literature and cultural studies in the Portuguese area. Basic issues of literary and cultural analyses will be covered. These will be approached specifically in relation to the study of the Portuguese presence in Asia.

Pre-requisite: None

PTAH701 LITERATURE AND CULTURAL STUDIES METHOD II

A more advanced course covering procedures involved in conducting research involving various

types of document sources. Components may include cultural, historical-demographic research procedures, perspectives on cultural flows, and literary analysis.

Pre-requisite: PTAH700

PTAH702 PORTUGAL IN THE ASIA-PACIFIC REGION

A discipline covering aspects of the history of the Portuguese in Asia and Southeast and East Asia, beginning in the 16th century and covering the establishment of the Estado da Índia, and the foundation of Macao and its development during four centuries.

Pre-requisite: None

PTAH703 HISTORY OF PORTUGUESE MARITIME EXPANSION

This course is concerned with the dynamics and nature of Portuguese overseas expansion in the 15th, 16th and 17th centuries. It covers aspects of navigation, maritime trade, missionary activities and migration.

Pre-requisite: None

PTAH704 HISTORY OF MACAO UNDER THE PORTUGUESE

This discipline deals with a range of topics in relation to the history of Macao under the Portuguese, including demographic composition, interethnic relations, trade links, diplomacy, migration and manifestations of cultural expression.

Pre-requisite: None

PTAH705 MODERN LUSOPHONE LITERATURE

The discipline surveys the literature of the modern Portuguese speaking nations, including Portugal, Brazil, the African Portuguese-speaking nations and Timor-Leste, touching upon the colonial period yet paying particular attention to the literature of the 20th and 21st centuries.

Pre-requisite: None

PTAH706 RELATIONS BETWEEN CHINA AND THE PORTUGUESE-SPEAKING COUNTRIES

This discipline covers aspects of history of the relations between the modern Portuguese-speaking countries and China, attending to the historical origins of these links, covering pre-20th century links within the Portuguese colonies and the development and the nature of 20th century and current links.

Pre-requisite: None

PTAH707 IMAGES OF THE EAST IN PORTUGUESE LANGUAGE LITERATURE

The discipline is dedicated principally to the study of the representation of the East in Portuguese narratives in early and modern periods. It addresses travel literature, including that of Fernão Mendes Pinto, and the topics of the imaginary East and the specific representation of Macao.

Pre-requisite: None

PTAH708 MACAO LITERATURE IN PORTUGUESE

This course studies diverse literary texts produced in Portuguese in Macao which present interesting, very different and sometimes controversial insights and perspectives on life in Macao society. As Portugal administered Macao for more than 450 years, in addition to the literary texts of Portuguese residents and of the local Luso-Asian community, there is a corpus of literary texts written by short time visitors. The authors were Portuguese civil servants, lawyers, military officers and teachers who served in the territory, as well as Portuguese writers invited by the Macao government.

Pre-requisite: None

PTAH709 SPECIAL TOPIC IN PORTUGUESE LITERATURE AND CULTURAL STUDIES I

A course designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in particular areas of specialization relating to Literary and Cultural Studies, History or

Creative Writing, that do not already figure in the programme. The topic and content of the course will vary from year to year depending on the availability of specialized staff. Examples of topics that might be offered include: Advanced theories of Research, Advanced Theories of Literary analysis, Children's Literature in the Portuguese language, the Modern History of a specific Portuguese speaking nation, Portuguese Creative writing for television and film, Macao Literature in Patuá (Macao Creole Portuguese), The Portuguese in the Indian Ocean, Relations between Macao and Siam, The Manila-Macao connection, the Luso-Asian Family, Luso-Asian writing, Travel writing in Portuguese colonial times, the Portuguese historical cultural view of Asian Societies, etc.

Pre-requisite: None

PTAH710 SPECIAL TOPIC IN PORTUGUESE LITERATURE AND CULTURAL STUDIES II

A course designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in particular areas of specialization relating to Literary and Cultural Studies, History or Creative Writing, that do not already figure in the programme. The topic and content of the course will vary from year to year depending on the availability of specialized staff. Examples of topics that might be offered include: Advanced theories of Research, Advanced Theories of Literary analysis, Children's Literature in the Portuguese language, the Modern History of a specific Portuguese speaking nation, Portuguese Creative writing for television and film, Macao Literature in Patuá (Macao Creole Portuguese), The Portuguese in the Indian Ocean, Relations between Macao and Siam, The Manila-Macao connection, the Luso-Asian Family, Luso-Asian writing, Travel writing in Portuguese colonial times, the Portuguese historical cultural view of Asian Societies, etc.

Pre-requisite: None

PTAH711 - INTERCULTURAL COMMUNICATION

Intercultural Communication addresses the situation of languages and cultures in the contemporary globalized world. It aims at understanding the frames of identity formation and co-existence and their influence in the modern cultural means of artistic expressions. The seminar includes an introduction to the diversity of the Portuguese language in the world, its cultural environment and particularities in order to clearly address the challenges of globalization and multicultural stereotypes in the age of post-colonialism.

Pre-requisite: None

PTAH712 - GRAMMAR AND COMMUNICATION

Grammar and Communication for Foreign Language aims at providing a full description of the functions of language from the point of view of communicative grammar. Its goal is to study language as it is really used in social practice and everyday life.

Pre-requisite: None

PTLG700 LINGUISTICS METHOD I

A course covering the analytic linguistic description of the following key areas of Portuguese: morphology and lexicon and phonetics-phonology, with special application to the acquisition and teaching of Portuguese as a Foreign Language. Students will be introduced to data collection purposes and procedures.

Pre-requisite: None

PTLG701 LINGUISTICS METHOD II

A course covering the analytic linguistic description of the following key areas of Portuguese: syntax and semantics-pragmatics, with special application to the acquisition and teaching of Portuguese as a Foreign Language. Students will be introduced to data collection purposes and procedures.

Pre-requisite: PTLG700

PTLG702 ADVANCED PORTUGUESE FOR LANGUAGE PROFESSIONALS I

A discipline that is designed to develop Advanced Specialized Professional Level Proficiency in

foreign language speakers of Portuguese who have attained advanced general proficiency. The course is for persons who require a very high degree of linguistic accuracy for professional purposes. It is designed to develop an acute awareness of self-evaluation and critique in order to identify and resolve diverse types of performance inaccuracy in both the spoken and written languages.

Pre-requisite: None

PTLG703 ADVANCED PORTUGUESE FOR LANGUAGE PROFESSIONALS II

A second and more advanced level discipline for the development and consolidation of Advanced Specialized Professional Level Proficiency in foreign language speakers of Portuguese who have attained advanced general proficiency. The course is for persons who require a very high degree of linguistic accuracy for professional purposes. It is designed to develop an acute awareness of self-evaluation and critique in order to identify and resolve diverse types of performance inaccuracy in both the spoken and written languages.

Pre-requisite: PTLG702

PTLG704 THE PROCESS OF LANGUAGE ACQUISITION (L1 e L2)

This course covers current theories of language acquisition. The course will first outline current concerns in first language acquisition. Subsequently, it will concentrate on second language acquisition theories, attending to acquisition processes, phases in development, and external conditioning factors, including first language, age, motivation and instructional mode and context. At all times, specific attention will be addressed to acquisition involving Portuguese.

Pre-requisite: None

PTLG705 METHODOLOGY OF TEACHING PORTUGUESE AS A FOREIGN LANGUAGE

This course addresses the application of current methodologies in the teaching of Portuguese as a Foreign Language. Developments in linguistics, educational and psychological studies lead to constant new input to foreign language teaching methodology and practice. The course introduces the student to major current practices and how research-driven innovations are developed in current practice.

Pre-requisite: None

PTLG706 CURRICULUM PLANNING AND MATERIALS EVALUATION FOR PORTUGUESE AS A FOREIGN LANGUAGE

This is a course covering principles and procedures in the design of the Portuguese Foreign Language curriculum, and in the design of Portuguese foreign language materials. The student will develop a critical sense for the evaluation of both curricula and materials, while also developing skills with respect to the creation of new materials and resources.

Pre-requisite: None

PTLG707 THEORY AND METHODOLOGY OF READING IN PORTUGUESE AS A FOREIGN LANGUAGE

The course surveys critically current major concepts and approaches to the teaching and acquisition of reading in a foreign language. The course will give particular attention to the application of current approaches in the teaching of Portuguese as a Foreign Language, and the incorporation of these approaches in pedagogical practice.

Pre-requisite: None

PTLG708 SUPERVISED TEACHING PLANNING AND PRACTICE IN PORTUGUESE AS A FOREIGN LANGUAGE

A course wherein the student is supervised in the planning and delivery of class teaching sessions in Portuguese as a Foreign Language within the framework of specific curricula. Students will prepare and present class designs and procedures to the instructor and fellow students, and receive critical evaluations thereon.

Pre-requisite: None

PTLG709 PORTUGUESE SOCIOLINGUISTICS

The course covers the topic of language variation in Portuguese, introducing some of the major theories thereon, and descriptive analytic practices. The course is configured to address sociolinguistic topics of particular relevance to the future Portuguese language professional, giving special attention to social and regional linguistic variation, and registers. The course also addresses the application of sociolinguistic variation in the context of Portuguese Foreign Language instruction.

Pre-requisite: None

PTLG710 SPECIAL TOPIC IN PORTUGUESE APPLIED LINGUISTICS I

A course designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in particular areas of specialization that do not already figure in the programme. The topic and content of the course will vary from year to year depending on the availability of specialized staff. Examples of topics that might be offered include: Testing in Portuguese as a Foreign Language, Technology in the Portuguese Foreign Language Class, Interactive Sociolinguistics in Portuguese, Clinical Linguistics applications in Portuguese as a Foreign Language, Patuá – the Creole Portuguese Language of Macao, Computational Linguistics Applications, etc.

Pre-requisite: None

PTLG711 SPECIAL TOPIC IN PORTUGUESE APPLIED LINGUISTICS II

A course designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in particular areas of specialization that do not already figure in the programme. The topic and content of the course will vary from year to year depending on the availability of specialized staff. Examples of topics that might be offered include: Testing in Portuguese as a Foreign Language, Technology in the Portuguese Foreign Language Class, Interactive Sociolinguistics in Portuguese, Clinical Linguistics applications in Portuguese as a Foreign Language, Patuá – the Creole Portuguese Language of Macao, Computational Linguistics Applications, etc.

Pre-requisite: None

PTLG712 LITERARY STUDIES THEORY

The course provides an introduction to the major principles of contemporary literary theory and criticism and to established methods and materials of literary research, stressing the interactions between language, literature, and culture.

Pre-requisite: None

**PTLG713 THESIS AND RESEARCH WRITING SEMINAR
(Applied Linguistics)**

This is a practical seminar designed to train students in the formulation of research projects, and is intended to serve as a platform for the formulation and development of the dissertation project. The student will be required to identify relevant research questions and conduct systematic research from theoretical and practical perspectives, presenting stage papers on the development of the dissertation project.

Pre-requisite: PTLG701

**PTLG713 THESIS AND RESEARCH WRITING SEMINAR
(Historical and Cultural Studies)**

This is a practical seminar designed to train students in the formulation of research projects, and is intended to serve as a platform for the formulation and development of the dissertation project. The student will be required to identify relevant research questions and conduct systematic research from theoretical and practical perspectives, presenting stage papers on the development of the dissertation project.

Pre-requisite: Literature and Cultural Studies Method II

PTSB110 LANGUAGE LABORATORY: DEVELOPMENT OF PRONUNCIATION AND PRODUCTION I

Language laboratory training and practice in the recognition and production of the sounds of Portuguese for the development of appropriate and accurate pronunciation.

Pre-requisite: None

PTSB111 INTRODUCTION TO THE COMPREHENSION OF WRITTEN PORTUGUESE I

A practical introductory course involving the comprehension and use of basic structures and lexicon of Portuguese. Students will work with comprehension exercises and activities involving the use of structures and lexicon in context.

Pre-requisite: None

PTSB112 INTRODUCTION TO PORTUGUESE LANGUAGE I

Practical introduction to Portuguese concentrating on oral communication yet involving elements of all language skills and a selection of cultural topics.

Pre-requisite: None

PTSB113 COMMUNICATING IN PORTUGUESE

This course compliments Introduction to Portuguese Language I and concentrates on communicating in Portuguese through simulation of dialogues and other role play activities modeled on video material or composed by the students.

Pre-requisite: None

PTSB114 LIVING PORTUGUESE

An introduction to aspects of Portuguese Culture through the use of elementary audiovisual materials. Students will work with songs and videos.

Pre-requisite: None

PTSB120 LANGUAGE LABORATORY: DEVELOPMENT OF PRONUNCIATION AND PRODUCTION II

Building on the foundation of PTSB110, this course further develops and refines the student's skills in the recognition and production of the sounds of Portuguese for the acquisition of appropriate and accurate pronunciation.

Pre-requisite: PTSB110

PTSB121 INTRODUCTION TO THE COMPREHENSION OF WRITTEN PORTUGUESE II

A practical more advanced course involving the comprehension and use of basic structures and lexicon of Portuguese. Students work with exercises and activities involving the use of structures and lexicon in context.

Pre-requisite: PTSB111

PTSB122 INTRODUCTION TO PORTUGUESE LANGUAGE II

Instruction in Portuguese language skills for communication, concentrating on the further development of oral communication, yet involving elements of reading and writing and a range of cultural topics.

Pre-requisite: PTSB112

PTSB123 INTRODUCTION TO CONVERSATION

Short dialogues on everyday topics related to the vocabulary that students are familiar with. Vocabulary enhancement. Drafting of dialogues and sketches to be "performed" in the class. Discussion of the topics and of the texts drafted by the students.

Pre-requisite: PTSB110, PTSB112

PTSB124 INTRODUCTION TO THE CULTURE OF THE PORTUGUESE-SPEAKING WORLD

An introduction to aspects of Portuguese Culture through the use of audiovisual materials.

Pre-requisite: PTSB114

PTSB210 LANGUAGE LABORATORY: DEVELOPMENT OF PRONUNCIATION AND PRODUCTION III

Intermediate level language laboratory training and practice in accurate pronunciation and production. Production exercises. Oral summary of aural and video texts. Self-correction of pronunciation.

Pre-requisite: PTSB120

PTSB211 STRUCTURE OF PORTUGUESE I

A practical course involving the use of the structures of Portuguese, matching the developmental sequence of the course PTSB213 - Portuguese Language and Culture I. The formal topics covered include the use of Regular and Irregular verbs, introduction to the subjunctive mode. However, the course also reviews the topics of the first year. Students work with exercises and activities involving the use of structures in context.

Pre-requisite: PTSB121

PTSB212 WRITING I

An introduction to the structuring and writing of different types of texts, including letters (private or business) memoranda and basic essays. Students will write different types of texts for presentation and discussion.

Pre-requisite: PTSB120, PTSB121

PTSB213 PORTUGUESE LANGUAGE AND CULTURE I

Development of fluency in speaking at an intermediate level. Role play. Study of short video and written texts selected with the purpose of offering the learner a wider view of contemporary life and culture in Portuguese-speaking countries.

Pre-requisite: PTSB122

PTSB214 CONVERSATION I

Conversation on everyday subjects based on written or oral texts with the purpose of improving the learner's capacity to communicate and conduct conversation. Students will make class presentations.

Pre-requisite: PTSB122, PTSB123

PTSB220 LANGUAGE LABORATORY: DEVELOPMENT OF PRONUNCIATION AND PRODUCTION IV

Continuation of content and themes of PTSB210 - Language Laboratory: Development of Pronunciation and Production III. Intermediate second level language laboratory training and practice in accurate pronunciation and production. Production exercises. Oral summary of aural and video texts. Self-correction of pronunciation.

Pre-requisite: PTSB210

PTSB221 STRUCTURE OF PORTUGUESE II

A thorough revision of the use of all the structures presented to the student during the previous three semesters, as well as reinforcement of new structures introduced in PTSB223 - Portuguese Language and Culture II. Students work with exercises and activities involving the use of structures in context.

Pre-requisite: PTSB211

PTSB222 WRITING II

Essay writing on pre-selected topics that the students will prepare and present before the class. Practice of summary and abstract writing. Analysis of selected texts as models.

Pre-requisite: PTSB212

PTSB223 PORTUGUESE LANGUAGE AND CULTURE II

Further intermediate development of fluency and communicative competence through the study of video and written texts, and through simulations.

Pre-requisite: PTSB213

PTSB224 CONVERSATION II

Conversation on subjects that have been researched by the students. Simulation of situations. Improvisation of dialogues. Discussion of film, news items, interviews.

Pre-requisite: PTSB214

PTSB310 PORTUGUESE LANGUAGE AND CULTURE OF THE LUSOPHONE COUNTRIES I

The course is designed to enhance general language skills, to develop the ability to use different levels of language and to adapt to different varieties of Portuguese. The programme exposes the student to Portuguese as an international language. Students will analyze and discuss written, audio and video texts, focusing on the linguistic and sociocultural content.

Pre-requisite: PTSB223

PTSB311 PRACTICAL WRITING FOR PROFESSIONAL PURPOSES I

A practical course in which students are trained in the writing of texts for professional purposes: official and commercial correspondence, memoranda, declarations, summary reports, applications, and advertisements.

Pre-requisite: PTSB222

PTSB312 ADVANCED INTERMEDIATE COMPREHENSION AND PRODUCTION SKILLS I

Advanced intermediate level language laboratory practice in comprehension of audio and video texts in different varieties of Portuguese of the Portuguese-speaking nations. Transcription of audio and video texts of different registers: news items, interviews, press conferences, television and cinema. Oral and written summary of audio/video texts. Advanced production exercises for development of pronunciation fluency and accuracy.

Pre-requisite: PTSB220

PTSB313 TRANSLATION I (PORTUGUESE – CHINESE)

This course deals with the basic skills of written translation from Portuguese to Chinese, considering aspects of contrastive language structure, semantics, pragmatics and style. The type of text to be translated will comprise texts in Portuguese for administrative, legal, commercial and journalistic purposes.

Pre-requisite: PTSB213, PTSB214, PTSB222

PTSB314 INTRODUCTION TO PORTUGUESE LINGUISTICS

The course introduces basic concepts of the morphology, lexicon and syntax of Portuguese, with the purpose of developing the student's knowledge of the grammatical system of Portuguese and the ability to describe and analyse the language for learning and pedagogical applications.

Pre-requisite: PTSB221, PTSB223

PTSB315 INTRODUCTION TO THE STUDY OF THE LITERATURE OF THE PORTUGUESE SPEAKING WORLD I

This course studies representative contemporary texts from the literatures of the Portuguese-speaking world, including short stories and plays. Students will be introduced to basic terminology and analytical methods, and will write short essays in response to the readings.

Pre-requisite: PTSB222, PTSB223

PTSB316 MODERN AND CONTEMPORARY HISTORY OF THE PORTUGUESE-SPEAKING NATIONS I

An overview of the History of the Portuguese-speaking nations, with emphasis on recent and

contemporary issues. This course concerns Portugal and aspects of the African Portuguese-speaking nations.

Pre-requisite: PTSB223

PTSB317 SPECIAL TOPIC I

This course is designed to permit visiting scholars, or existing staff, to offer introductory courses in their particular areas of specialization. The topic and content of the courses will vary from year to year depending on the availability of specialized staff. Examples of specialized topics that may be offered include: Portuguese Language and Culture in Cinema, Portuguese History, History of Macao, Portuguese Literature, Brazilian Literature, Interpretation, Linguistics, etc.

Pre-requisite: PTSB222, PTSB223

PTSB318 SPECIAL TOPIC II

This course is designed to permit visiting scholars, or existing staff, to offer introductory courses in their particular areas of specialization. The topic and content of the courses will vary from year to year depending on the availability of specialized staff. Examples of specialized topics that may be offered include: Portuguese Language and Culture in Cinema, Portuguese History, History of Macao, Portuguese Literature, Brazilian Literature, Interpretation, Linguistics, etc.

Pre-requisite: PTSB222, PTSB223

PTSB320 PORTUGUESE LANGUAGE AND CULTURE OF THE LUSOPHONE COUNTRIES II

The course is designed to enhance general language skills, to develop the ability to use different levels of language and to adapt to different varieties of Portuguese. The programme exposes the student to Portuguese as an international language, incorporating written, audio, and video materials from the different Portuguese-speaking countries. These materials will form the basis for students to conduct research and analysis, and to report and discuss their findings.

Pre-requisite: PTSB310

PTSB321 PRACTICAL WRITING FOR PROFESSIONAL PURPOSES II

Students are trained in the writing of texts for professional purposes: administration correspondence, business correspondence, reports.

Pre-requisite: PTSB311

PTSB322 ADVANCED INTERMEDIATE COMPREHENSION AND PRODUCTION SKILLS II

Language Laboratory practice at advanced intermediate level to develop comprehension of real-life audio and video texts in different varieties of Portuguese of the Portuguese-speaking nations. Transcription of audio and video texts of different registers. Oral and written summary of audio/video texts. Advanced production and self-evaluation exercises for refinement of pronunciation fluency and accuracy.

Pre-requisite: PTSB312

PTSB323 TRANSLATION II (CHINESE - PORTUGUESE)

This course deals with the basic skills of written translation from Chinese to Portuguese, considering aspects of contrastive language structure, semantics, pragmatics and style. The type of text to be translated will comprise texts in Portuguese for administrative, legal, commercial and journalistic purposes.

Pre-requisite: PTSB313

PTSB324 PORTUGUESE LINGUISTICS: GRAMMAR

This course provides a linguistic overview of the grammar of the Portuguese language, and includes references to characteristics of the different varieties of the Portuguese language.

Pre-requisite: PTSB310

PTSB325 INTRODUCTION TO THE STUDY OF THE LITERATURE OF THE PORTUGUESE SPEAKING WORLD II

This course studies representative contemporary texts from the literatures of the Portuguese-speaking world. Texts may include short stories, essays, plays and novels. Students will write short essays in response to the readings.

Pre-requisite: PTB315

PTB326 MODERN AND CONTEMPORARY HISTORY OF THE PORTUGUESE-SPEAKING NATIONS II

An overview of the History of the Portuguese-speaking nations, with emphasis on recent and contemporary issues. This course concerns Brazil and aspects of the African Portuguese-speaking nations.

Pre-requisite: PTB316

PTB327 SPECIAL TOPIC III

This course is designed to permit visiting scholars, or existing staff, to offer courses in their particular areas of specialization. The topic and content of the courses will vary from year to year depending on the availability of specialized staff. Examples of specialized topics that may be offered include: Portuguese Language and Culture in Cinema, Portuguese History, History of Macao, Portuguese Literature, Brazilian Literature, etc.

Pre-requisite: Special Topic courses in the areas of Linguistics, History and Literature will have as pre-requisites a pass in a previous year's course in the corresponding area. Special topics in the areas of Interpreting and Language and Culture in Cinema, will require a pass in the previous year's required courses.

PTB328 SPECIAL TOPIC IV

This course is designed to permit visiting scholars, or existing staff, to offer courses in their particular areas of specialization. The topic and content of the courses will vary from year to year depending on the availability of specialized staff. Examples of specialized topics that may be offered include: Portuguese Language and Culture in Cinema, Portuguese History, History of Macao, Portuguese Literature, Brazilian Literature, etc.

Pre-requisite: Special Topic courses in the areas of Linguistics, History and Literature will have as pre-requisites a pass in a previous year's course in the corresponding area. Special topics in the areas of Interpreting and Language and Culture in Cinema, will require a pass in the previous year's required courses.

PTB410 ADVANCED PORTUGUESE LANGUAGE AND CULTURE OF THE LUSOPHONE COUNTRIES I

An advanced course in the use of spoken and written English. Students will be exposed to contemporary written and audio/video materials relevant to issues in the Portuguese-speaking nations and will be required to research topics and make written and oral presentations.

Pre-requisite: PTB320

PTB411 RESEARCH AND REPORT WRITING I

An advanced course in the writing of academic or administrative texts for professional purposes. The course provides training in the planning, structure and composition of texts of an academic nature.

Pre-requisite: PTB321

PTB412 ADVANCED COMPREHENSION AND PRODUCTION SKILLS I

Language Laboratory practice in comprehension of real-life audio and video texts in different varieties of Portuguese, focusing on areas of current affairs, diplomacy, legal language, and business. Transcription and oral and written report of audio and video texts. Advanced production through simulation activities.

Pre-requisite: PTB322

PTB413 ADVANCED TRANSLATION I (PORTUGUESE - CHINESE)

This course trains the student in written translation from Chinese to Portuguese, with emphasis

in the areas of business, legal writing, socio-political affairs, science and technology.
Pre-requisite: PT SB323, PT SB320

PTSB414 INTERPRETING I (PORTUGUESE - CHINESE)

This course will concentrate on basic interpreting skills covering note taking, memory span improvement, sight translation and the basics of consecutive and simultaneous interpreting. The student will work with a range of basic topics in the areas of business, socio-political affairs, and science and technology. Students will undertake practical training in the language laboratory.

Pre-requisite: PT SB322, PT SB320

PTSB415 TEACHING PORTUGUESE AS A FOREIGN LANGUAGE I

Introduction to the theories of second language acquisition and the methodologies of teaching of a foreign language. The course focuses on current internationally recognized theories and methods.

Pre-requisite: PT SB314, PT SB320

PTSB416 CONTEMPORARY SOCIETY AND INSTITUTIONS OF THE PORTUGUESE SPEAKING NATIONS I

The course covers diverse aspects of the contemporary society of the Portuguese-speaking nations, providing both an overview of the socio-economics, internal and external politics, demographic characteristics as well as a general account of its Institutions. This course concerns Portugal and aspects of the African Portuguese-speaking nations.

Pre-requisite: PT SB320

PTSB417 SPECIAL TOPIC V

This course is designed to permit visiting scholars, or existing staff, to offer courses in their particular areas of specialization. The topic and content of the courses will vary from year to year depending on the availability of specialized staff. Examples of specialized topics that may be offered include: History of Culture of the Portuguese-speaking nations, Portuguese Language and Culture in Cinema, Portuguese History, Literary Translation, Business Translation, Legal Translation, Business interpreting, Portuguese Literature, Brazilian Literature, etc.

Pre-requisite: Special Topic courses in the areas of Linguistics, History and Literature will have as pre-requisites a pass in a previous year's course in the corresponding area. Special topics in the areas of Interpreting and Language and Culture in Cinema, will require a pass in the previous year's required courses.

PTSB418 SPECIAL TOPIC VI

This course is designed to permit visiting scholars, or existing staff, to offer courses in their particular areas of specialization. The topic and content of the courses will vary from year to year depending on the availability of specialized staff. Examples of specialized topics that may be offered include: History of Culture of the Portuguese-speaking nations, Portuguese Language and Culture in Cinema, Portuguese History, Literary Translation, Business Translation, Legal Translation, Business interpreting, Portuguese Literature, Brazilian Literature, etc.

Pre-requisite: Special Topic courses in the areas of Linguistics, History and Literature will have as pre-requisites a pass in a previous year's course in the corresponding area. Special topics in the areas of Interpreting and Language and Culture in Cinema, will require a pass in the previous year's required courses.

PTSB420 ADVANCED PORTUGUESE LANGUAGE AND CULTURE OF THE LUSOPHONE COUNTRIES II

An advanced course in the use of spoken and written English. Students will be exposed to contemporary written and audio/video materials relevant to issues in the Portuguese-speaking nations and will be required to research topics and make written and oral presentations. Particular emphasis will be given to areas of public Administration, Law and Business.

Pre-requisite: PT SB410

PTSB421 RESEARCH AND REPORT WRITING II

An advanced course in the writing of academic or administrative reports for professional purposes. The course provides training in the planning, structure and composition of research and report texts.

Pre-requisite: PTSB411

PTSB422 ADVANCED COMPREHENSION AND PRODUCTION SKILLS II

Language Laboratory practice in comprehension of real-life audio and video texts in different varieties of Portuguese, focusing on areas of current affairs, diplomacy, legal language, and business in the context of the Portuguese-speaking world. Transcription and oral and written summary report. Advanced production through simulation activities.

Pre-requisite: PTSB412

PTSB423 ADVANCED TRANSLATION I (CHINESE - PORTUGUESE)

This course trains the student in written translation from Chinese to Portuguese, with emphasis in the areas of business, legal writing, socio-political affairs, science and technology.

Pre-requisite: PTSB413

PTSB424 INTERPRETING II (CHINESE - PORTUGUESE)

This course will concentrate on basic interpreting skills covering note taking, memory span improvement, sight translation and the basics of consecutive and simultaneous interpreting. The student will work with a range of basic topics in the areas of business, socio-political affairs, and science and technology. Students will undertake practical training in the language laboratory.

Pre-requisite: PTSB414

PTSB425 TEACHING PORTUGUESE AS A FOREIGN LANGUAGE II

Current methodologies and practices in the teaching of a foreign language, with emphasis on the teaching of Portuguese. The course emphasizes the need for research-based approaches, and stresses the importance of following international best practice.

Pre-requisite: PTSB415

PTSB426 CONTEMPORARY SOCIETY AND INSTITUTIONS OF THE PORTUGUESE SPEAKING NATIONS II

The course covers diverse aspects of the contemporary society of the Portuguese-speaking nations, providing both an overview of the socio-economics, internal and external politics, demographic characteristics as well as a general account of its Institutions. This course concerns Brazil and further aspects of the African Portuguese-speaking nations

Pre-requisite: PTSB416

PTSB427 SPECIAL TOPIC VII

This course is designed to permit visiting scholars, or existing staff, to offer courses in their particular areas of specialization. The topic and content of the courses will vary from year to year depending on the availability of specialized staff. Examples of specialized topics that may be offered include: History of Culture of the Portuguese-speaking nations, Portuguese Language and Culture in Cinema, Portuguese History, Literary Translation, Business Translation, Legal Translation, Business interpreting, Portuguese Literature, Brazilian Literature, etc.

Pre-requisite: Special Topic courses in the areas of Linguistics, History and Literature will have as pre-requisites a pass in a previous year's course in the corresponding area. Special topics in the areas of Interpreting and Language and Culture in Cinema, will require a pass in the previous year's required courses.

PTSB428 SPECIAL TOPIC VIII

This course is designed to permit visiting scholars, or existing staff, to offer courses in their particular areas of specialization. The topic and content of the courses will vary from year to year depending on the availability of specialized staff. Examples of specialized topics that may be offered include: History of Culture of the Portuguese-speaking nations, Portuguese Language

and Culture in Cinema, Portuguese History, Literary Translation, Business Translation, Legal Translation, Business interpreting, Portuguese Literature, Brazilian Literature, etc.

Pre-requisite: Special Topic courses in the areas of Linguistics, History and Literature will have as pre-requisites a pass in a previous year's course in the corresponding area. Special topics in the areas of Interpreting and Language and Culture in Cinema, will require a pass in the previous year's required courses.

PTSB429 PORTUGUESE LANGUAGE DRAMA

This course will involve the study of works of drama in the Portuguese language drawn from the different Portuguese-speaking countries, and the performance of scenes thereof.

Pre-requisite: PTSB410

SPAN100 ELEMENTARY SPANISH I

This is a basic course to introduce the students into the Spanish pronunciation, and to recognize the basic Spanish grammar and usage. Readings and conversations are in the "Present Tense".

Pre-requisite: None

SPAN101 ELEMENTARY SPANISH II

To foster an interest to continue learning Spanish, allowing the students to express themselves and read and write present, past and future events.

Pre-requisite: SPAN100

SPAN102 INTERMEDIATE SPANISH I

To continue to learn how to speak, understand, read and write idiomatic Spanish in a way the student can feel confident to use Spanish as an instrument of communication.

Pre-requisite: SPAN101

SPAN103 INTERMEDIATE SPANISH II

This courses builds on SPAN102 extends the students' knowledge of the spoken and written language, as well as exposing them to a greater range of cultural materials.

Pre-requisite: SPAN102

SPAN104 CULTURAL READINGS FOR CONVERSATION AND COMPOSITION

This course focuses on building over the two previous years' work, but at a more advanced level by developing and increasing students' skills in the areas of listening and reading, but mainly in speaking and writing. Through a variety of cultural readings, grammar will be thoroughly reviewed and reinforced, vocabulary will be expanded, and by analyzing cultural issues students will have the chance to improve their oral skills. By the end of this course, students will be able to understand the main ideas of a relatively complex standard text as well as to interact with native speakers with a certain degree of fluency and will acquire a more solid command of linguistic, sociolinguistic and pragmatic competencies.

Pre-requisite: SPAN102

SPAN105 ADVANCED SPANISH FOR SPECIFIC PURPOSES I

This course aims to introduce students to the basic knowledge and study of specific selected topics and issues. The course will cover topics such as development and construction of Hispanic culture and civilization (history, geography, literature, art and other cultural manifestations), Spanish for specific purposes (job applications, resumes, interviews, business meetings, cross-cultural differences between Spanish speaking and Chinese business environments, commercial correspondence, Spanish for hotels and restaurants/hospitality, Spanish for law enforcement). Though a series of readings from magazines, newspapers, internet articles and audiovisual materials, students will be exposed to a new specialized business-oriented vocabulary which will help them to communicate effectively in their field and to practice new grammatical skills.

Pre-requisite: SPAN102

SPAN106 ADVANCED SPANISH FOR SPECIFIC PURPOSES II

This course is built on the subjects and skills covered in the previous course "Advanced Spanish for Specific Purposes I" but at a more advanced level. The main target is to provide students with the chance to apply their newly acquired knowledge in a wide variety of situations through realistic tasks, oral interaction in pairs and group work, role playing, presentations, etc. Authentic reading and audiovisual materials are also used throughout the course. In addition, students will analyze and practice advanced grammatical skills in order to develop a higher proficiency in speaking and writing. By the end of the course, students should be able to understand long articles related to cultural and business topics, to use Spanish effectively and precisely for social and professional purposes, and to develop an understanding of Hispanic culture, society, and business practices.

Pre-requisite: SPAN102

SPAN107 SPECIAL TOPICS IN SPANISH STUDIES I

This course is designed to offer students the chance to explore a variety of topics related to the Spanish-speaking countries. The contents will vary from year to year.

Pre-requisite: SPAN102

SPAN108 SPECIAL TOPICS IN SPANISH STUDIES II

This course is designed to offer students the chance to explore a variety of topics related to the Spanish-speaking countries. The contents will vary from year to year.

Pre-requisite: SPAN102

TRSL700 COMPARATIVE LANGUAGE STUDIES FOR TRANSLATION

This course is concerned with the comparative description of the morpho-syntax of Chinese and Portuguese, Chinese and English, and Portuguese and English. Among the topics covered, attention will be given to phrase and clause structure, interrogation, embedding, conjoining, comparison, focusing devices, the auxiliary, temporal and aspectual representation, and the representation of reference.

Pre-requisite: None

TRSL701 THEORETICAL CONCEPTS OF TRANSLATION STUDIES

This course covers contemporary concepts and approaches to translation. It surveys different strategies and techniques in the translation theory and methodology literature, discusses the critical evaluation of translations, and introduces aspects of modern translation tools. It furnishes the student with a grounding in the principal theories of translation studies and practice essential to the practicing professional and basic to academic research in the discipline.

Pre-requisite: None

TRSL702 TRANSLATION TECHNOLOGY

This course surveys computer-aided and computer-based methods and approaches used in the translation area. It introduces the student to concepts and basic topics in machine-aided/computer-assisted translation and machine translation, concentrating on mainstream developments in these areas and providing practical training in the use of technologies such as Translation Memory System TRADOS and other translation software.

Pre-requisite: None

TRSL703 RESEARCH DESIGN AND WRITING

This course is a practical seminar designed to train students in the formulation of advanced research projects in the area of translation or interpreting. It is intended as a springboard for the development of a dissertation topic. The student will be required to identify relevant research questions and conduct systematic and creative research thereon from a theoretical and practical framework, presenting papers to the class on the development of their projects.

Pre-requisite: None

TRSL740 A DISCOURSAL APPROACH TO TRANSLATION STUDIES

This course offers a translation study oriented examination of the use of language by English and Chinese communities. It takes the discourse approach to the study based on different theoretical perspectives: the social theory of language, known as systemic functional linguistics, speech act theory, pragmatic theory and the relevance theory. With both spoken interaction and written texts as objects of analysis, this course involves the study of both language form and function. It identifies linguistics features that characterize different genres as well as social and cultural factors that aid in the understanding and interpretation of different texts.

Pre-requisite: None

TRSL742 CULTURAL ISSUES IN TRANSLATION

This course considers the notion of a cultural transfer in text translation. Particular attention will be paid to cross-cultural matters of information structure, cohesion and pragmatics, and to questions of reception and power relations. The student will develop an advanced understanding of the notion of cultural transfer, and the ability to identify and mediate its conditioning influence in the process of translation.

Pre-requisite: None

TRSL743 GENDER IN TRANSLATION STUDIES

This course introduces students to a general understanding of the theories and practices of feminism and issues related to gender, language and translation. It will examine questions of sexism in language, subjectivities and writing, text and representation, cultural identity and politics of transmission in the context of Chinese and English. Texts to be examined may include original and translated works of feminist theories, writing on gender issues and works of women writers.

Pre-requisite: None

TRSL744 HISTORY, CULTURE AND TRANSLATION

This general introduction to the history of translation focuses on the long relationship between Chinese language and the Western European languages, and considers other translation traditions where relevant. The first part of the course examines the works, activities, and roles of important translators in history, with special reference to Macao's pivotal role in the history of translation. The second part of the course will look at the role of translation in the dissemination of knowledge, culture, law and trade.

Pre-requisite: None

TRSL745 LITERARY TRANSLATION

This course will introduce students to approaches to literary translation. Students will learn to identify the linguistic, stylistic and cultural features of literary texts as well as to formulate strategies for translating those works. Seminars are conducted to examine the particularities of different literary genres, such as poetry, drama, and fiction, and the special strategies required for their translation.

Pre-requisite: None

TRSL746 LITERATURE, CULTURE AND TRANSLATION: LANGUAGE AND IDEOLOGY

This course will examine the relationship between literature, culture, and translation with respect to ideological questions in selected works from the Chinese and Western literary traditions. Examples of the questions which may be explored include gender, race, colonialism, post-colonialism, humanism and religion. These questions will be discussed on two levels: (i) comparison of different writers' approaches within the same broad cultural tradition, and (ii) comparison of approaches between different cultural traditions. Through these discussions, students will develop an understanding of some of the major concerns of writers in different cultural traditions. Texts of different genres and backgrounds will be selected for discussion.

Pre-requisite: None

TRSL747 READING TRANSLATED WORKS

This course aims at learning from good examples that, nevertheless, can be treated critically. This course will cover a variety of texts and genres, and above all, it aims at learning from master translators and focuses on the study of translation classics from the Chinese and the Portuguese into English and vice versa.

Pre-requisite: None

TRSL748 SPECIAL TOPIC IN TRANSLATION I

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on the availability of specialised staff.

Pre-requisite: None

TRSL749 SPECIAL TOPIC IN TRANSLATION II

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on the availability of specialised staff.

Pre-requisite: None

TRSL750 SPECIAL TOPIC IN TRANSLATION III

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on the availability of specialised staff.

Pre-requisite: None

TRSL751 SPECIAL TOPIC IN TRANSLATION IV

This course is designed to permit visiting scholars, or existing staff, to offer postgraduate level courses in their particular areas of specialisation. The topic and content of the courses will vary from year to year depending on the availability of specialised staff.

Pre-requisite: None

TRSL752 TRANSLATING CULTURES

This course aims at providing students with a basic understanding of the cognitive and epistemic problems involved in cross-cultural encounters and dialogues. General problems in cultural representation will be discussed with particular reference to the systematically used cultural stereotypes such as "the Orient" and "the Occident". The epistemological and political underpinnings of the ways in which the East-West divide has been historically established will be demonstrated and critically analysed with concrete examples, enhanced by the perspectives of cultural history and of translation studies. In contrast to courses that are entitled "Culture and Translation", this course will focus also on the new cultural identities that emerged in recent years as a result of East-West contacts via translations.

Pre-requisite: None

TRSL753 TRANSLATING FOR THE MEDIA

In this course students will learn the basic techniques for translating for the media, including newspapers, news magazines, and press releases. Students will study and compare the linguistic, stylistic, and cultural features of writing for the media in both Chinese and English, then learn approaches for translating such texts between the two languages. Attention will also be paid to the standard reference tools for this kind of translation.

Pre-requisite: None

TRSL754 TRANSLATION AND COMPARATIVE LITERATURE

This course aims to assess the place and function of translation within the wider domain of China-West comparative literature through the representative works of major scholars in translation and literature and thus to enable students to achieve a critical awareness of social, literary, and cultural issues crucial to translation and comparative studies. Students on the

course will have the opportunities to compare and analyze commonalities and divergences, identities and discontinuities in the aesthetic transmission of texts between the Chinese and Western literary traditions. Instead of technical details, this course will lay more emphasis on helping students look into larger intercultural issues involved in a perception of translation and comparative literature.

Pre-requisite: None

TRSL755 TRANSLATION OF LEGAL TEXTS

This course is concerned with the translation of legal documents within the context of Macao Law, covering a wide range of document types, including informational documents, common legal documents, and specialized and technical documents such as, for example, contracts, and legal forms. Particular attention will be paid to translation problems associated with the legal text, including legal equivalence, terminology, register, structural layout.

Pre-requisite: None

TRSL757 TRANSLATION OF TEXTS IN POPULAR CULTURE

This is a translation course which focuses on popular culture in both the English- and the Chinese-speaking worlds (Hong Kong in particular). Selected texts from areas such as cinema, popular music, popular novels, newspaper columns, magazines, advertisements, and TV programmes, and related criticism, will be used as materials for students to practise translation. Concepts and theories of the formation of different cultural phenomena and cultural representations will be introduced. Students will be encouraged to discuss how cultural elements work in the process of translating texts which might involve dialects, subcultures and local cultural interests of different societies.

Pre-requisite: None

TRSL758 TRANSLATION OF TEXTS IN THE ARTS

In this course the students will learn the basic terminology, vocabulary and techniques for translating texts in the arts, primarily in music, painting and films.

Students will be required to translate either (i) programme notes of recitals and concerts, and TV/Radio talks on music; or (ii) catalogues of exhibitions and museum collections of items of arts and antiques; or (iii) films.

Pre-requisite: None

TRSL759 TRANSLATING TEXTS IN SOCIAL SCIENCES

This course will introduce students to the basic socio-political concepts used in different cultures. It aims to enable students to compare and reflect on these social issues and socio-cultural concepts when they are used in the contexts of both Chinese and Western societies. It will provide students with a historical background of when and how these concepts are introduced, both in Chinese and in English. Samples of writing in the social sciences, including economics, political science, sociology and anthropology, will be selected and students are required to work on their translation.

Pre-requisite: None

TRSL760 TRANSLATION CRITICISM AND ASSESSMENT

This course involves the critical reading and analysis of existing translated works. The aim of the course is twofold. Firstly, it will enable students to learn how to appreciate the stylistic treatments and philosophic attitudes involved in the translation. Secondly, by means of reading and discussion activities, it will guide students in the methods and principles of evaluating translated works.

Pre-requisite: None

TRSL761 TRANSLATION PROJECT

In the translation project, each student will have to translate a long piece of text of a particular genre. During the project, discussions will be conducted on how to solve translation problems and how strategic decisions are to be made. The instructor will also participate in discussions

and give guidelines when necessary. Presentations will be given by students on their translation experience.

Pre-requisite: None

TRSL762 TRANSLATION PEDAGOGY

This course examines theories of translation teaching, from a perspective which takes into account the needs of the didactics of translation and of interpreting. Detailed analysis of syllabuses will be presented to make students aware of recent trends in the teaching of translation. The use of new technologies for the teaching of translation skills will be emphasized.

Pre-requisite: None

TRSL763 TRANSLATION FOR ADMINISTRATION AND COMMERCE

This is a practice course concentrating on the translation of a wide range of specific administrative and commercial documents, including correspondence, memos and documents for meetings, reports, informational and marketing documents, contracts and insurance policies, normative instructions, administrative policies, website contents.

Pre-requisite: None

TRSL764 AUDIO-VISUAL TRANSLATION

This is an introduction to audiovisual translation (AVT). It is concerned with the nature, characteristics, and translation principles and approaches pertaining to this particular type of translation in the service of dubbing as well as subtitling. Emphasis will be placed on seeking optimum effect through applying AVT-specific translation strategies and techniques in overcoming problems that stem from the conflict between the medium constraints and translatability of culture-bound elements in the context of required immediate comprehensibility of the translation consumer.

Pre-requisite: None

TRSL710 CHINESE – ENGLISH TRANSLATION

This course involves the practice and critical discussion of translation from Chinese to English in a range of topic areas, in order to develop recognition of translation problems specific to this direction of translation, to develop strategies for dealing with them, and to construct data-bases relating to the lexicon and structure involved. Students will work alone, in pairs and in small groups.

Pre-requisite: Permission of the Coordinator of the Programme

TRSL711 ENGLISH-CHINESE TRANSLATION

This course involves the practice and critical discussion of translation from English to Chinese in a range of topic areas, in order to develop recognition of translation problems specific to this direction of translation, to develop strategies for dealing with them, and to construct data-bases relating to the lexicon and structure involved. Students will work alone, in pairs and in small groups.

Pre-requisite: Permission of the Coordinator of the Programme

TRSL714 CHINESE – PORTUGUESE TRANSLATION

This course involves the practice and critical discussion of translation from Chinese to Portuguese in a range of topic areas, in order to develop recognition of translation problems specific to this direction of translation, to develop strategies for dealing with them, and to construct data-bases relating to the lexicon and structure involved. Students will work alone, in pairs and in small groups.

Pre-requisite: Permission of the Coordinator of the Programme

TRSL715 PORTUGUESE – CHINESE TRANSLATION

This course involves the practice and critical discussion of translation from Portuguese to Chinese in a range of topic areas, in order to develop recognition of translation problems specific to this direction of translation, to develop strategies for dealing with them, and to

construct data-bases relating to the lexicon and structure involved. Students will work alone, in pairs and in small groups.

Pre-requisite: Permission of the Coordinator of the Programme

TRSL716 INTERPRETING I CHINESE/PORTUGUESE

This course will concentrate on basic interpreting skills as a basis for more advanced interpreting training. It will cover skills such as note taking, memory span improvement, sight translation and the basics of consecutive interpreting. Students will undertake practical training in the language laboratory.

Pre-requisite: Permission of the Coordinator of the Programme

TRSL717 INTERPRETING II CHINESE/PORTUGUESE

This course will work further with sight interpreting and consecutive interpreting, while advancing to simultaneous interpreting. The student will be exposed to a wide range of topic areas, including business, socio-political topics, and advances in science and technology. Students will undertake practical training in the language laboratory.

Pre-requisite: Permission of the Coordinator of the Programme

TRSL718 ENGLISH – PORTUGUESE TRANSLATION

This course involves the practice and critical discussion of translation from English to Portuguese in a range of topic areas, in order to develop recognition of translation problems specific to this direction of translation, to develop strategies for dealing with them, and to construct data-bases relating to the lexicon and structure involved. Students will work alone, in pairs and in small groups.

Pre-requisite: Permission of the Coordinator of the Programme

TRSL719 PORTUGUESE - ENGLISH TRANSLATION

This course involves the practice and critical discussion of translation from Portuguese to English in a range of topic areas, in order to develop recognition of translation problems specific to this direction of translation, to develop strategies for dealing with them, and to construct data-bases relating to the lexicon and structure involved. Students will work alone, in pairs and in small groups.

Pre-requisite: Permission of the Coordinator of the Programme

TRSL720 INTERPRETING I ENGLISH/PORTUGUESE

This course will concentrate on basic interpreting skills as a basis for more advanced interpreting training. It will cover skills such as note taking, memory span improvement, sight translation and the basics of consecutive interpreting. Students will undertake practical training in the language laboratory.

Pre-requisite: None

TRSL721 INTERPRETING II ENGLISH/PORTUGUESE

This course will work further with sight interpreting and consecutive interpreting, while advancing to simultaneous interpreting. The student will be exposed to a wide range of topic areas, including business, socio-political topics, and advances in science and technology. Students will undertake practical training in the language laboratory.

Pre-requisite: Permission of the Coordinator of the Programme

TRSL765 THEORIES AND PRACTICE OF INTERPRETING

This course aims to introduce both the emerging field of Interpreting Studies and the practice of Interpreting to post-graduate learners. Through selected readings, the course will explore fundamental differences between written translation and oral interpreting besides discussing current approaches to research in the field. The course itself will be conducted in training labs where learners will be drawn into the practice through assignments and interpreting of a variety of texts.

Pre-requisite: None

TRSL766 CONSECUTIVE INTERPRETING

This course focuses on the consecutive mode of interpreting. Learners will be exposed to a range of accents and different settings. Their professional expertise will be developed through exercises in paraphrasing, note-taking and exercises aimed at aiding short-term memory. Learners will also be exposed to seminal readings to further enhance their understanding of interpreting in general and consecutive interpreting in particular.

Pre-requisite: None

TRSL767 SIMULTANEOUS INTERPRETING

This course focuses on the simultaneous mode of interpreting. Learners will undergo intensive training in shadowing, visualizing, sight interpreting, speed training, transcoding, linear interpreting, etc., before interpreting in the simultaneous mode. The course will be conducted in the state-of-the-art SI Training Lab and students will be invited to observe live SI performances. Learners will also be exposed to seminal readings to further enhance their understanding of interpreting in general and simultaneous interpreting in particular.

Pre-requisite: None

TRSL768 CONFERENCE INTERPRETING

This course aims to provide post-graduate learners a platform to gain extensive practice in the art of Conference Interpreting. Both Consecutive and Simultaneous modes of interpreting will be engaged. Learners will be introduced to internationally accepted codes of conduct for interpreters and conference management and gain hands on experience through guided in-house or external assignments including field trips.

Pre-requisite: None

PhD Programmes

AREAS OF STUDY

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We offer the following majors for our PhD Programme:

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- Business Economics
- Decision Sciences
- Finance
- Gaming Management
- Hospitality Management
- Information Systems
- Management
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FACULTY OF BUSINESS ADMINISTRATION

PhD Programmes

		Credits
UNIVERSITY-WIDE COURSES		
RESE801	Research Ethics	0
RESW800	Research Writing	3
DISCIPLINARY COURSES		
<u>Discipline: Accounting</u>		
ACCT812	Contemporary Research in Accounting	3
Select one of the following:		
ACCT811	Accounting Research Methods and Seminar	3
FINC811	Research Methods in Finance and Business Economics	3
<u>Discipline: Business Economics</u>		
FINC805	Advanced Topics in Finance and Business Economics	3
FINC811	Research Methods in Finance and Business Economics	3
<u>Discipline: Decision Sciences</u>		
QMDS812	Advanced Topics in Decision Sciences and Information Systems	3
Select one of the following:		
QMDS811	Quantitative Research Methods in Decision Sciences and Information Systems	3
FINC811	Research Methods in Finance and Business Economics	3
MTMK811	Advanced Research Methods in Management and Marketing	3
<u>Discipline: Finance</u>		
FINC805	Advanced Topics in Finance and Business Economics	3
FINC811	Research Methods in Finance and Business Economics	3
<u>Discipline: Gaming Management</u>		
HAGM812	Contemporary Research in Hospitality and Gaming Management	3
Select one of the following:		
HAGM811	Advanced Research Methods in Hospitality and Gaming Management	3
MTMK811	Advanced Research Methods in Management and Marketing	3
<u>Discipline: Hospitality Management</u>		
HAGM812	Contemporary Research in Hospitality and Gaming Management	3
Select one of the following:		
HAGM811	Advanced Research Methods in Hospitality and Gaming Management	3
MTMK811	Advanced Research Methods in Management and Marketing	3

Discipline: Information Systems

QMDS812 Advanced Topics in Decision Sciences and Information Systems 3

Select one of the following:

QMDS811 Quantitative Research Methods in Decision Sciences and Information Systems 3

FINC811 Research Methods in Finance and Business Economics 3

MTMK811 Advanced Research Methods in Management and Marketing 3

Discipline: Management

MTMK811 Advanced Research Methods in Management and Marketing 3

Select one of the following:

MTMK812 Doctoral Seminar in Marketing Theories 3

MTMK813 Doctoral Seminar in Strategic Management 3

MTMK814 Doctoral Seminar in Organizational Behavior/Human Resource Management 3

Discipline: Marketing

MTMK811 Advanced Research Methods in Management and Marketing 3

Select one of the following:

MTMK812 Doctoral Seminar in Marketing Theories 3

MTMK813 Doctoral Seminar in Strategic Management 3

MTMK814 Doctoral Seminar in Organizational Behavior/Human Resource Management 3

Doctoral Thesis 18

Total Credits: 27

In addition to the above courses and thesis requirement, every student is also required to complete the following requirements:

- Qualifying Examination
- Thesis Proposal Assessment
- International Conference Paper Presentation and International Journal Publication

Note:

1. If some PhD courses cannot be offered, supervisors may have other arrangements in order to let PhD students fulfill the course requirements. Students are still required to settle the tuition fees according to our Tuition Fee Scheme (Doctoral Programmes) under this situation.
2. If necessary, students are required to take some courses which are not listed above in order to make up their deficiency. Students are required to settle the tuition fees according to our Tuition Fee Scheme for additional courses.
3. Unless otherwise specified, the above information is accurate as at 5 June 2016. The University has the right from time to time to make changes in its regulations, rules and procedures as it sees fit.

FACULTY OF BUSINESS ADMINISTRATION

Master's Degree Programmes**Master of Business Administration**

- Curriculum for students who choose to work on Academic Thesis

Subject	Credits
Compulsory Courses*	
ACCT710 Accounting	3
EBIS711 Management Information Systems	3
FINC711 Managerial Finance	3
MGMT710 Organizational Behavior	3
MGMT711 Strategic Management	3
MGMT730 Business Ethics	3
MKTG710 Marketing Management	3
Electives**	
MBA Electives *** (choose 2 out of the following 6)	
MGMT732 Human Resources Management	3
MGMT736 Advances in Management Studies	3
MGMT737 Global Business	3
MKTG730 Buyer Behavior	3
MKTG732 Advances in Marketing Studies	3
QMDS730 Service Operations	3
Other Electives *** (choose 1 out of the following 9)	
<i>MSc in Accounting courses</i>	
ACCT712 Financial Accounting and Theory	3
ACCT714 Business Law	3
ACCT715 Management Accounting	3
ACCT751 Corporate Governance and Social Responsibility	3
<i>MSc in Finance courses</i>	
FINC723 International Finance	3
FINC724 Investments and Portfolio Management	3
FINC726 Commercial Bank Management	3
<i>MSc in International Integrated Resort Management courses</i>	
HAGM731 Event and Entertainment Management	3
HAGM736 Cross Cultural Gambling Psychology	3
Research Component	
GMBA711 Research Methods	3
GMBA798 Academic Thesis	6
Total Credits	39

* Students may apply for course waivers in the compulsory courses. However, they will be required to replace the waived courses with electives of equal credits.

** Up to three electives can be taken in an approved university that has an outstanding exchange/agreement with the University of Macau. Application for course waiver(s) must be submitted to the FBA office for approval.

*** The above courses will be offered subject to the number of student enrolment and the availability of instructors.

Note:

1. BECO702 Economics and QMDS701 Statistics are pre-requisite for this programme. Each of them carries 3 credits and will not count towards the GPA. Students who have taken similar courses before could apply for course exemption. All applications for course exemption will be subject to the approval of the Programme Committee.
2. Students are required to successfully completed 'GMBA711 Research Methods' in order to proceed to thesis writing stage.
3. ALL courses listed in this program must be successfully completed for graduation. Failure to complete any compulsory course will require that course to be successfully completed in the subsequent year.
4. All courses must be successfully completed and students are required to achieve a cumulative GPA of 2.7 or above in order to graduate.
5. Unless otherwise specified, the above information is accurate as at 5 June 2016. The University has the right from time to time to make changes in its regulations, rules and procedures as it sees fit.

FACULTY OF BUSINESS ADMINISTRATION

Master's Degree Programmes**Master of Business Administration**

- Curriculum for students who choose to work on Applied Thesis

Subject	Credits
Compulsory Courses*	
ACCT710 Accounting	3
EBIS711 Management Information Systems	3
FINC711 Managerial Finance	3
MGMT710 Organizational Behavior	3
MGMT711 Strategic Management	3
MGMT730 Business Ethics	3
MKTG710 Marketing Management	3
Electives**	
MBA Electives *** (choose 2 out of the following 6)	
MGMT732 Human Resources Management	3
MGMT736 Advances in Management Studies	3
MGMT737 Global Business	3
MKTG730 Buyer Behavior	3
MKTG732 Advances in Marketing Studies	3
QMDS730 Service Operations	3
Other Electives *** # (choose 2 out of the following 9)	
<i>MSc in Accounting courses</i>	
ACCT712 Financial Accounting and Theory	3
ACCT714 Business Law	3
ACCT715 Management Accounting	3
ACCT751 Corporate Governance and Social Responsibility	3
<i>MSc in Finance courses</i>	
FINC723 International Finance	3
FINC724 Investments and Portfolio Management	3
FINC726 Commercial Bank Management	3
<i>MSc in International Integrated Resort Management courses</i>	
HAGM731 Event and Entertainment Management	3
HAGM736 Cross Cultural Gambling Psychology	3
Research Component	
GMBA711 Research Methods	3
GMBA797 Applied Thesis	3
Total Credits	39

* Students may apply for course waivers in the compulsory courses. However, they will be required to replace the waived courses with electives of equal credits.

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- ** Up to three electives can be taken in an approved university that has an outstanding exchange/agreement with the University of Macau. Application for course waiver(s) must be submitted to the FBA office for approval.
- *** The above courses will be offered subject to the number of student enrolment and the availability of instructors.
- # For Other Electives, students should choose not more than one course from each of the other master programmes offered by FBA (namely, Master of Science in Accounting, Master of Science in Finance and Master of Science in International Integrated Resort Management).

Note:

1. BECO702 Economics and QMDS701 Statistics are pre-requisite for this programme. Each of them carries 3 credits and will not count towards the GPA. Students who have taken similar courses before could apply for course exemption. All applications for course exemption will be subject to the approval of the Programme Committee.
2. Students are required to successfully complete 'GMB711 Research Methods' in order to proceed to thesis writing stage.
3. ALL courses listed in this programme must be successfully completed for graduation. Failure to complete any compulsory course will require that course to be successfully completed in the subsequent year.
4. All courses must be successfully completed and students are required to achieve a cumulative GPA of 2.7 or above in order to graduate.
5. Unless otherwise specified, the above information is accurate as at 5 June 2016. The University has the right from time to time to make changes in its regulations, rules and procedures as it sees fit.

FACULTY OF BUSINESS ADMINISTRATION

Master's Degree Programmes**Master of Science in Accounting****- Curriculum for Accounting Bachelor Degree Holders**

Subject	Credits
Core Requirements	
ACCT712 Financial Accounting and Theory	3
ACCT713 Financial Reporting and Analysis	3
ACCT714 Business Law	3
ACCT750 Advanced Financial Reporting	3
ACCT751 Corporate Governance and Social Responsibility	3
ACCT752 Performance Management and Control Systems	3
ACCT753 Financial Risk Management	3
ACCT754 Contemporary Issues in Accounting	3
Two Accounting Required Elective Courses	6
Select one of the following options:	
<i>1. Academic Thesis</i>	
ACCT770 Accounting Research Methods	3
ACCT798 Academic Thesis	6
<i>2. Applied Thesis</i>	
ACCT770 Accounting Research Methods	3
ACCT797 Applied Thesis	3
One Accounting Required Elective Course	3
Total Credits	
39	
Accounting Required Elective Courses	
ACCT755 Auditing and Assurance	3
ACCT756 Taxation	3
ACCT757 China Taxation	3
ACCT758 Governmental Accounting	3
ACCT759 Hospitality and Gaming Accounting	3
ACIS750 Computer Applications in Accounting	3

Note:

1. BECO702 Economics and QMDS701 Statistics are pre-requisite for this programme. Each of them carries 3 credits and will not count towards the GPA. Students who have taken similar courses before could apply for course exemption. All applications for course exemption will be subject to the approval of the Programme Committee.
2. Students are required to successfully complete ACCT770 Accounting Research Methods before enrolling ACCT797 Applied Thesis or ACCT798 Academic Thesis.
3. The Accounting Required Elective Course offerings are subject to the number of student enrolment and the availability of instructors.

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4. Students are required to achieve a cumulative GPA of 2.7 or above in order to graduate.
 5. The University reserves the right to make changes to its regulations, rules, procedures and curriculum whenever it sees fit.

FACULTY OF BUSINESS ADMINISTRATION

Master's Degree Programmes**Master of Science in Accounting****- Curriculum for Non-Accounting Bachelor Degree Holders**

Subject	Credits
Core Requirements	
ACCT712 Financial Accounting and Theory	3
ACCT713 Financial Reporting and Analysis	3
ACCT714 Business Law	3
ACCT715 Management Accounting*	3
ACCT750 Advanced Financial Reporting	3
ACCT751 Corporate Governance and Social Responsibility	3
ACCT755 Auditing and Assurance	3
EBIS710 Business Technology Management*	3
FINC712 Financial Management*	3
One Accounting Required Elective Course	3
Select one of the following options:	
<i>1. Academic Thesis</i>	
ACCT770 Accounting Research Methods	3
ACCT798 Academic Thesis	6
<i>2. Applied Thesis</i>	
ACCT770 Accounting Research Methods	3
ACCT797 Applied Thesis	3
One Accounting Required Elective Course	3
Total Credits	39
Accounting Required Elective Courses	
ACCT752 Performance Management and Control Systems	3
ACCT753 Financial Risk Management	3
ACCT754 Contemporary Issues in Accounting	3
ACCT756 Taxation	3
ACCT757 China Taxation	3
ACCT758 Governmental Accounting	3
ACCT759 Hospitality and Gaming Accounting	3
ACIS750 Computer Applications in Accounting	3

*Course waiver may be considered on a subject-by-subject basis. Students are required to enroll in the listed Accounting Required Elective Course(s) in place of the course(s) under the course waiver approval of up to a maximum of 3 courses.

Note:

1. BECO702 Economics and QMDS701 Statistics are pre-requisite for this programme. Each of them carries 3 credits and will not count towards the GPA. Students who have

taken similar courses before could apply for course exemption. All applications for course exemption will be subject to the approval of the Programme Committee.

2. Students are required to successfully complete ACCT770 Accounting Research Methods before enrolling ACCT797 Applied Thesis or ACCT798 Academic Thesis.
3. The Accounting Required Elective Course offerings are subject to the number of student enrolment and the availability of instructors.
4. Students are required to achieve a cumulative GPA of 2.7 or above in order to graduate.
5. The University reserves the right to make changes to its regulations, rules, procedures and curriculum whenever it sees fit.

FACULTY OF BUSINESS ADMINISTRATION

Master's Degree Programmes**MASTER OF SCIENCE IN FINANCE**

- Curriculum for students who choose to work on Academic Thesis

Subject	Credits
Compulsory	
FINC710 Corporate Finance	3
BECO710 Statistics and Financial Econometrics	3
FINC751 Theory of Finance	3
FINC753 Research Methods	3
FINC724 Investments and Portfolio Management	3
FINC727 Derivatives	3
Finance Electives* (choose 3 out of the following 8)	
FINC722 Fixed Income Securities	3
FINC723 International Finance	3
FINC726 Commercial Bank Management	3
FINC733 Mathematical Techniques in Finance	3
FINC735 Financial Risk Management	3
FINC736 Financial Modelling	3
FINC741 Advanced Topics in Finance	3
ACCT713 Financial Reporting and Analysis	3
Other Electives* (choose 1 out of the following 6)	
MKTG710 Marketing Management	3
MGMT710 Organizational Behavior	3
MGMT730 Business Ethics	3
MGMT737 Global Business	3
MGMT732 Human Resources Management	3
ACCT751 Corporate Governance and Social Responsibility	3
Thesis	
FINC798 Academic Thesis	6
Total Credits	36

* These courses will be offered subject to the number of student enrolment and the availability of instructors.

Note:

1. ACCT716 Principles of Accounting and BECO703 Principles of Economics are pre-requisites for this programme. Each of them carries 3 credits and will not count towards the GPA. Students who have taken similar courses before could apply for course exemption. All applications for course exemption will be subjected to the approval of the Programme Committee.
2. For students who do not choose any course in the list of "Other Electives", they are allowed to take a course within the list of "Finance Electives" to substitute for it

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3. All courses must be successfully completed and students are required to achieve a cumulative GPA of 2.7 or above in order to graduate.
 4. Unless otherwise specified, the above information is accurate as at 20 April 2016. The University has the right from time to time to make changes in its regulations, rules and procedures as it sees fit.

FACULTY OF BUSINESS ADMINISTRATION

Master's Degree Programmes**MASTER OF SCIENCE IN FINANCE**

- Curriculum for students who choose to work on Applied Thesis

Subject	Credits
Compulsory	
FINC710 Corporate Finance	3
BECO710 Statistics and Financial Econometrics	3
FINC751 Theory of Finance	3
FINC753 Research Methods	3
FINC724 Investments and Portfolio Management	3
FINC727 Derivatives	3
Finance Electives* (choose 4 out of the following 8)	
FINC722 Fixed Income Securities	3
FINC723 International Finance	3
FINC726 Commercial Bank Management	3
FINC733 Mathematical Techniques in Finance	3
FINC735 Financial Risk Management	3
FINC736 Financial Modelling	3
FINC741 Advanced Topics in Finance	3
ACCT713 Financial Reporting and Analysis	3
Other Electives* (choose 1 out of the following 6)	
MKTG710 Marketing Management	3
MGMT710 Organizational Behavior	3
MGMT730 Business Ethics	3
MGMT737 Global Business	3
MGMT732 Human Resources Management	3
ACCT751 Corporate Governance and Social Responsibility	3
Thesis	
FINC797 Applied Thesis	3
Total Credits	36

* These courses will be offered subject to the number of student enrolment and the availability of instructors.

Note:

1. ACCT716 Principles of Accounting and BECO703 Principles of Economics are pre-requisites for this programme. Each of them carries 3 credits and will not count towards the GPA. Students who have taken similar courses before could apply for course exemption. All applications for course exemption will be subjected to the approval of the Programme Committee.
2. For students who do not choose any course in the list of "Other Electives", they are allowed to take a course within the list of "Finance Electives" to substitute for it

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3. All courses must be successfully completed and students are required to achieve a cumulative GPA of 2.7 or above in order to graduate
 4. Unless otherwise specified, the above information is accurate as at 20 April 2016. The University has the right from time to time to make changes in its regulations, rules and procedures as it sees fit.

FACULTY OF BUSINESS ADMINISTRATION

Master's Degree Programmes**Master of Science in International Integrated Resort Management**

- Curriculum for students choose to work on Academic Thesis

Subject		Credits
Core Courses		
FINC713	Managerial Finance in Integrated Resorts	3
HAGM710	International Integrated Resorts Management	3
HAGM712	Integrated Resorts Management Internship*	3
MGMT712	Managing Human Resources and Personnel Psychology in Integrated Resorts	3
MKTG711	International Hospitality Marketing Management	3
Elective Courses** (at least three courses)		9
HAGM730	Meeting, Incentive, Convention and Exhibition Management	
HAGM731	Event and Entertainment Management	
HAGM732	Food and Beverage Management	
HAGM733	Lodging Management	
HAGM734	Hotel Revenue Management	
HAGM735	Gaming and Casino Operation Management	
HAGM736	Cross Cultural Gambling Psychology	
HAGM737	Travel and Tourism Management	
HAGM738	Retail Management in Integrated Resorts	
HAGM739	Service Quality Management in Integrated Resorts	
HAGM740	Special Topics in Integrated Resorts	
MGMT735	Strategic Management in Hospitality Industry	
MKTG731	Direct Marketing and Customer Relationship Management in Integrated Resorts	
QMDS730	Service Operations***	
MGMT737	Global Business***	
Research Component		
HAGM751	Research Methods	3
HAGM798	Academic Thesis****	6
Total Credits		33

* For students who have less than 2 years supervisory or managerial working experiences, they are required to undertake at least 560 hours internship programme. Students who are working full time with at least 2 years supervisory or managerial experience at the time of application may be able to exempt the internship course upon showing adequate justification to do so to the University. Students who are working full time but without 2 years of supervisory or managerial experience at the time of application may be able to waive from the internship course upon showing adequate justification to do so to the University. All other exempt or waive cases will be subjected to special approval on a case by case basis.

** The elective courses are offered subject to the number of student enrolment and the availability of instructors.

*** Students may enrol either one of these MBA courses as electives, but it is subject to class quota upon course enrolment and availability of instructors.

**** Students should successfully complete HAGM751 Research Methods before they enrol thesis.

Note:

1. All courses must be successfully completed and students are required to achieve a cumulative GPA of 2.7 or above in order to graduate.
2. Unless otherwise specified, the above information is accurate as at 5 June 2016. The University has the right from time to time to make changes in its regulations, rules and procedures as it sees fit.

FACULTY OF BUSINESS ADMINISTRATION

Master's Degree Programmes**Master of Science in International Integrated Resort Management**

- Curriculum for students who choose to work on Applied Thesis

Subject		Credits
Core Courses		
FINC713	Managerial Finance in Integrated Resorts	3
HAGM710	International Integrated Resorts Management	3
HAGM712	Integrated Resorts Management Internship*	3
MGMT712	Managing Human Resources and Personnel Psychology in Integrated Resorts	3
MKTG711	International Hospitality Marketing Management	3
Elective Courses** (at least four courses)		12
HAGM730	Meeting, Incentive, Convention and Exhibition Management	
HAGM731	Event and Entertainment Management	
HAGM732	Food and Beverage Management	
HAGM733	Lodging Management	
HAGM734	Hotel Revenue Management	
HAGM735	Gaming and Casino Operation Management	
HAGM736	Cross Cultural Gambling Psychology	
HAGM737	Travel and Tourism Management	
HAGM738	Retail Management in Integrated Resorts	
HAGM739	Service Quality Management in Integrated Resorts	
HAGM740	Special Topics in Integrated Resorts	
MGMT735	Strategic Management in Hospitality Industry	
MKTG731	Direct Marketing and Customer Relationship Management in Integrated Resorts	
QMDS730	Service Operations***	
MGMT737	Global Business***	
Research Component		
HAGM751	Research Methods	3
HAGM797	Applied Thesis****	3
Total Credits		33

* For students who have less than 2 years supervisory or managerial working experiences, they are required to undertake at least 560 hours internship programme. Students who are working full time with at least 2 years supervisory or managerial experience at the time of application may be able to exempt the internship course upon showing adequate justification to do so to the University. Students who are working full time but without 2 years of supervisory or managerial experience at the time of application may be able to waive from the internship course upon showing adequate justification to do so to the University. All other exempt or waive cases will be subjected to special approval on a case by case basis.

** The elective courses are offered subject to the number of student enrolment and the availability of instructors.

*** Students may enrol either one of these MBA courses as electives, but it is subject to class quota upon course enrolment and availability of instructors.

**** Students should successfully complete HAGM751 Research Methods before they enrol thesis.

Note:

1. All courses must be successfully completed and students are required to achieve a cumulative GPA of 2.7 or above in order to graduate.
2. Unless otherwise specified, the above information is accurate as at 5 June 2016. The University has the right from time to time to make changes in its regulations, rules and procedures as it sees fit.

FACULTY OF BUSINESS ADMINISTRATION

Bachelor's Degree Programmes**Bachelor of Business Administration**

Year I		Credits
BECO100	Principles of Microeconomics	3
BECO101	Principles of Macroeconomics	3
EBIS112	Contemporary Information Systems for Organizations	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology *	3
QMDS100	Business Mathematics **	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ***		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ***		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three general education courses		9
Total Credits:		33

Year II		Credits
ACCT100	Principles of Financial Accounting	3
ACCT213	Principles of Managerial Accounting	3
EBIS200	Information Systems and Organizations	3
FINC210	Financial Management	3
MGMT220	Business Communications	3
MGMT221	Organizational Behavior	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
Two general education courses		6
Two bachelor's degree courses		6
Total Credits:		36

Year III	Credits
BBEL332 Business Law	3
GBMT300 Global Business Environment	3
MGMT330 Strategic Management	3
MGMT331 Research Methods	3
QMDS300 Quantitative Decision Analysis	3
Two distribution/diversity courses	6
Two 2 nd year level or above bachelor's degree courses offered by FBA	6
One 3 rd year level or above bachelor's degree course offered by FBA	3
One bachelor's degree course	3
Total Credits:	33

Year IV	Credits
QMDS400 Project and Quality Management	3
Three general education courses ****	6
One distribution/diversity course	3
Two 3 rd year level or above bachelor's degree courses offered by FBA	6
Two 4 th year level bachelor's degree courses offered by FBA	6
Three bachelor's degree courses	9
Total Credits:	33

* Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.

** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.

*** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English course(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English course(s).

**** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.

The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf).

For discipline of each course, please visit the Registry homepage for more information (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>).

- § Subject to the actual courses offered, study plan arrangement of that academic year will be announced in the FBA website (<http://fba.umac.mo/programmes/bachelor/study-plans-and-self-graduation-check/>).
- ▣ Unless otherwise specified, the above information is accurate as at 5 June 2016. The University has the right from time to time to make changes in its regulations, rules and procedures as it sees fit.

Bachelor's Degree Programmes

Bachelor of Business Administration in Business Economics

Year I		Credits
BECO100	Principles of Microeconomics	3
BECO101	Principles of Macroeconomics	3
EBIS112	Contemporary Information Systems for Organizations	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology *	3
QMDS100	Business Mathematics **	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ***		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ***		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three general education courses		9
Total Credits:		33

Year II		Credits
ACCT100	Principles of Financial Accounting	3
ACCT213	Principles of Managerial Accounting	3
EBIS200	Information Systems and Organizations	3
FINC210	Financial Management	3
MGMT220	Business Communications	3
MGMT221	Organizational Behavior	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
Two general education courses		6
One bachelor's degree course (non-FBA course)		3
One bachelor's degree course		3
Total Credits:		36

Year III		Credits
BBEL332	Business Law	3
BECO308	Intermediate Microeconomics	3
BECO309	Intermediate Macroeconomics	3
BECO310	Global Economic Issues and Business Implications	3
BECO400	Analysis of Economic Indicators	3
BECO403	Introduction to Econometrics	3
MGMT330	Strategic Management	3
QMDS300	Quantitative Decision Analysis	3
QMDS303	Applied Mathematics for Economics	3
Two distribution/diversity courses		6
Total Credits:		33

Year IV		Credits
BECO404	Applied Econometrics	3
BECO407	The Economics of Development	3
BECO419	Economic Analysis of Investment Projects	3
Three general education courses ****		6
One distribution/diversity course		3
Three courses selected from the Business Economics Required Electives		9
Two bachelor's degree courses (non-FBA courses)		6
Total Credits:		33

Business Economics Required Electives

Select **one** from the following:

BECO300	Economic Policy and Planning
BECO301	Public Economics and Finance
BECO302	The Chinese Economy
BECO303	International Trade and Commercial Policy
BECO304	Economics of Tourism
BECO305	Economics of E-Commerce
BECO306	Money and Banking
BECO307	Asian Financial Market

Select **two** from the following:

BECO401	Game Theory and Economic Application
BECO406	Applied Economics for Leisure Industries
BECO408	History of Economic Thought
BECO409	Financial Economics
BECO410	The European Economy
BECO411	Economic Development in Asia Pacific
BECO413	China's Financial System

BECO414	Economics of Globalization
BECO415	International Banking
BECO416	Managerial Economics for Retailing SMEs
BECO417	The Service Sectors of Macao and the Pan Pearl River Delta
BECO418	Industrial Organization and Business Strategy

- * Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.
- ** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
- *** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English course(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English course(s).
- **** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
- # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage for more information (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>).
- § Subject to the actual courses offered, study plan arrangement of that academic year will be announced in the FBA website (<http://fba.umac.mo/programmes/bachelor/study-plans-and-self-graduation-check/>).
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FACULTY OF BUSINESS ADMINISTRATION

Bachelor's Degree Programmes**Bachelor of Business Administration in Business Economics
- Service Economics**

Year I		Credits
BECO100	Principles of Microeconomics	3
BECO101	Principles of Macroeconomics	3
EBIS112	Contemporary Information Systems for Organizations	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology *	3
QMDS100	Business Mathematics **	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ***		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ***		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three general education courses		9
Total Credits:		33

Year II		Credits
ACCT100	Principles of Financial Accounting	3
ACCT213	Principles of Managerial Accounting	3
EBIS200	Information Systems and Organizations	3
FINC210	Financial Management	3
MGMT220	Business Communications	3
MGMT221	Organizational Behavior	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
Two general education courses		6
One bachelor's degree course (non-FBA course)		3
One bachelor's degree course		3
Total Credits:		36

Year III		Credits
BBEL332	Business Law	3
BECO308	Intermediate Microeconomics	3
BECO309	Intermediate Macroeconomics	3
BECO310	Global Economic Issues and Business Implications	3
BECO400	Analysis of Economic Indicators	3
BECO403	Introduction to Econometrics	3
MGMT330	Strategic Management	3
QMDS300	Quantitative Decision Analysis	3
QMDS303	Applied Mathematics for Economics	3
Two distribution/diversity courses		6
Total Credits:		33

Year IV		Credits
BECO404	Applied Econometrics	3
BECO407	The Economics of Development	3
BECO419	Economic Analysis of Investment Projects	3
Three general education courses ****		6
One distribution/diversity course		3
Three courses selected from the Service Economics Required Electives		9
Two bachelor's degree courses (non-FBA courses)		6
Total Credits:		33

Service Economics Required Electives

Select **one** from the following:

BECO300	Economic Policy and Planning
BECO301	Public Economics and Finance
BECO302	The Chinese Economy
BECO303	International Trade and Commercial Policy
BECO306	Money and Banking
BECO307	Asian Financial Market
BECO401	Game Theory and Economic Application
BECO408	History of Economic Thought
BECO409	Financial Economics
BECO410	The European Economy
BECO411	Economic Development in Asia Pacific
BECO413	China's Financial System
BECO414	Economics of Globalization
BECO415	International Banking
BECO418	Industrial Organization and Business Strategy

Select **two** from the following:

BECO304	Economics of Tourism
BECO305	Economics of E-Commerce
BECO406	Applied Economics for Leisure Industries
BECO416	Managerial Economics for Retailing SMEs
BECO417	The Service Sectors of Macao and the Pan Pearl River Delta

- * Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.
- ** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
- *** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English course(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English course(s).
- **** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
- # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage for more information (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>).
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Bachelor's Degree Programmes

Bachelor of Business Administration in Financial Controllershship

Year I		Credits
BECO100	Principles of Microeconomics	3
BECO101	Principles of Macroeconomics	3
EBIS112	Contemporary Information Systems for Organizations	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology *	3
QMDS100	Business Mathematics **	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ***		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ***		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three general education courses		9
Total Credits:		33

Year II		Credits
ACCT100	Principles of Financial Accounting	3
ACCT210	Management Accounting I	3
EBIS200	Information Systems and Organizations	3
FINC210	Financial Management	3
MGMT220	Business Communications	3
MGMT221	Organizational Behavior	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
Two general education courses		6
Two bachelor's degree courses		6
Total Credits:		36

Year III		Credits
ACCT211	Intermediate Accounting I	3
ACCT311	Management Accounting II	3
BBEL332	Business Law	3
FINC211	Advanced Financial Management	3
FINC341	Theory of Finance	3
GBMT300	Global Business Environment	3
MGMT330	Strategic Management	3
QMDS300	Quantitative Decision Analysis	3
Two distribution/diversity courses		6
One bachelor's degree course		3
Total Credits:		33

Year IV		Credits
ACCT212	Intermediate Accounting II	3
QMDS301	Forecasting Models in Business	3
QMDS400	Project and Quality Management	3
Three general education courses ****		6
One distribution/diversity course		3
Two courses selected from the Financial Controllership Required Electives		6
Three bachelor's degree courses		9
Total Credits:		33

Financial Controllership Required Electives

Select **one** from the following:

ACCT312	Intermediate Accounting III
FINC401	International Finance
FINC426	Mergers and Acquisitions
QMDS311	Operations Management

Select **one** from the following:

GBMT401	Global Human Resources Management
MGMT332	Human Resources Management
MGMT336	Business Ethics and Corporate Social Responsibility

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- * Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.
- ** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
- *** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English course(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English course(s).
- **** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
- # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage for more information (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>).
- § Subject to the actual courses offered, study plan arrangement of that academic year will be announced in the FBA website (<http://fba.umac.mo/programmes/bachelor/study-plans-and-self-graduation-check/>).
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FACULTY OF BUSINESS ADMINISTRATION

Bachelor's Degree Programmes**Bachelor of Business Administration in Global Business Management**

Year I		Credits
BECO100	Principles of Microeconomics	3
BECO101	Principles of Macroeconomics	3
EBIS112	Contemporary Information Systems for Organizations	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology *	3
QMDS100	Business Mathematics **	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ***		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ***		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three general education courses		9
Total Credits:		33

Year II		Credits
ACCT100	Principles of Financial Accounting	3
ACCT213	Principles of Managerial Accounting	3
EBIS200	Information Systems and Organizations	3
FINC210	Financial Management	3
MGMT220	Business Communications	3
MGMT221	Organizational Behavior	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
Three general education courses		9
One bachelor's degree course		3
Total Credits:		36

Year III ^		Credits
BBEL332	Business Law	3
GBMT300	Global Business Environment	3
MGMT330	Strategic Management	3
MKTG410	International Marketing	3
QMDS300	Quantitative Decision Analysis	3
Two distribution/diversity courses		6
One course selected from the Global Business Management Required Electives		3
Three bachelor's degree courses		9
Total Credits:		33

Year IV		Credits
GBMT302	International Management	3
GBMT303	Competitive Advantages	3
GBMT400	Global Strategic Management	3
GBMT402	Asian Business	3
MGMT331	Research Methods	3
QMDS400	Project and Quality Management	3
Two general education courses ****		3
One distribution/diversity course		3
One course selected from the Global Business Management Required Electives		3
Two bachelor's degree courses		6
Total Credits:		33

Global Business Management Required Electives

GBMT401	Global Human Resources Management
GBMT403	Cross-Cultural Communication and Negotiation in Business
GBMT404	Management of International Trade
GBMT405	Management of Foreign Affiliates
GBMT406	Entrepreneurship
GBMT408	Contemporary Issues in Global Business Management

^ Students are required to participate in exchange programme in the second semester of their third year of study. Courses with 15 credits in total should be pre-approved.

* Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.

- ** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
- *** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English course(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English course(s).
- **** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
- # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage for more information (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>).
- § Subject to the actual courses offered, study plan arrangement of that academic year will be announced in the FBA website (<http://fba.umac.mo/programmes/bachelor/study-plans-and-self-graduation-check/>).
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Bachelor's Degree Programmes

Bachelor of Business Administration in Human Resources Management

Year I		Credits
BECO100	Principles of Microeconomics	3
BECO101	Principles of Macroeconomics	3
EBIS112	Contemporary Information Systems for Organizations	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology *	3
QMDS100	Business Mathematics **	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ***		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ***		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three general education courses		9
Total Credits:		33

Year II		Credits
ACCT100	Principles of Financial Accounting	3
ACCT213	Principles of Managerial Accounting	3
EBIS200	Information Systems and Organizations	3
FINC210	Financial Management	3
MGMT220	Business Communications	3
MGMT221	Organizational Behavior	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
Two general education courses		6
Two bachelor's degree courses		6
Total Credits:		36

Year III		Credits
BBEL332	Business Law	3
GBMT300	Global Business Environment	3
MGMT330	Strategic Management	3
MGMT331	Research Methods	3
MGMT332	Human Resources Management	3
MGMT333	Human Resources Planning and Staffing	3
MGMT481	Training and Development	3
QMDS300	Quantitative Decision Analysis	3
Two distribution/diversity courses		6
One bachelor's degree course		3
Total Credits:		33

Year IV		Credits
MGMT482	Performance and Compensation Management	3
QMDS400	Project and Quality Management	3
Three general education courses ****		6
One distribution/diversity course		3
Three courses selected from the Human Resources Management Required Electives		9
Three bachelor's degree courses		9
Total Credits:		33

Human Resources Management Required Electives

GBMT302	International Management
GBMT401	Global Human Resources Management
GBMT403	Cross-Cultural Communication and Negotiation in Business
MGMT334	Organizational Change and Development
MGMT335	Quality Management
MGMT480	Legal Issues in Human Resources Management
MGMT483	Employee Relations, Safety & Health
MGMT484	Strategic Human Resources Management
MGMT486	Industrial Psychology
MGMT488	Contemporary Issues in Human Resources Management
MGMT489	Leadership

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- * Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.
- ** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
- *** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English course(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English course(s).
- **** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
- # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage for more information (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>).
- § Subject to the actual courses offered, study plan arrangement of that academic year will be announced in the FBA website (<http://fba.umac.mo/programmes/bachelor/study-plans-and-self-graduation-check/>).
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FACULTY OF BUSINESS ADMINISTRATION

Bachelor's Degree Programmes**Bachelor of Business Administration in Marketing**

Year I		Credits
BECO100	Principles of Microeconomics	3
BECO101	Principles of Macroeconomics	3
EBIS112	Contemporary Information Systems for Organizations	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology *	3
QMDS100	Business Mathematics **	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ***		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ***		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three general education courses		9
Total Credits:		33

Year II		Credits
ACCT100	Principles of Financial Accounting	3
ACCT213	Principles of Managerial Accounting	3
EBIS200	Information Systems and Organizations	3
FINC210	Financial Management	3
MGMT220	Business Communications	3
MGMT221	Organizational Behavior	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
Two general education courses		6
Two bachelor's degree courses		6
Total Credits:		36

Year III		Credits
BBEL332	Business Law	3
GBMT300	Global Business Environment	3
MGMT330	Strategic Management	3
MGMT331	Research Methods	3
MKTG340	Consumer Behavior	3
MKTG410	International Marketing	3
QMDS300	Quantitative Decision Analysis	3
Two distribution/diversity courses		6
Two bachelor's degree courses		6
Total Credits:		33

Year IV		Credits
MKTG411	Integrated Marketing Communications	3
MKTG412	Marketing Strategy	3
QMDS400	Project and Quality Management	3
Three general education courses ****		6
One distribution/diversity course		3
Three courses selected from the Marketing Required Electives		9
Two bachelor's degree courses		6
Total Credits:		33

Marketing Required Electives

MKTG341	Business-to-Business Marketing
MKTG420	Services Marketing
MKTG421	Sales Management
MKTG422	Retail Strategy
MKTG423	International Retailing
MKTG424	Marketing for Hospitality Industry
MKTG426	Events Marketing
MKTG427	Marketing Channel Management
MKTG428	Product Management
MKTG429	Pricing Strategy
MKTG430	Customer Relationship Management
MKTG431	Internet Marketing: Principles and Models
MKTG432	Brand Management
MKTG433	Quantitative Marketing Research
MKTG434	Qualitative Marketing Research
MKTG435	Special Topics in Marketing
MKTG436	Leisure and Lifestyle Marketing

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- * Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.
 - ** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
 - *** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English course(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English course(s).
 - **** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
 - # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage for more information (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>).
 - § Subject to the actual courses offered, study plan arrangement of that academic year will be announced in the FBA website (<http://fba.umac.mo/programmes/bachelor/study-plans-and-self-graduation-check/>).
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Bachelor's Degree Programmes

Bachelor of Business Administration in Marketing - Retail and Services Marketing

Year I		Credits
BECO100	Principles of Microeconomics	3
BECO101	Principles of Macroeconomics	3
EBIS112	Contemporary Information Systems for Organizations	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology *	3
QMDS100	Business Mathematics **	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ***		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ***		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three general education courses		9
Total Credits:		33

Year II		Credits
ACCT100	Principles of Financial Accounting	3
ACCT213	Principles of Managerial Accounting	3
EBIS200	Information Systems and Organizations	3
FINC210	Financial Management	3
MGMT220	Business Communications	3
MGMT221	Organizational Behavior	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
Two general education courses		6
Two bachelor's degree courses		6
Total Credits:		36

Year III		Credits
BBEL332	Business Law	3
GBMT300	Global Business Environment	3
MGMT330	Strategic Management	3
MGMT331	Research Methods	3
MKTG340	Consumer Behavior	3
MKTG410	International Marketing	3
QMDS300	Quantitative Decision Analysis	3
Two distribution/diversity courses		6
Two bachelor's degree courses		6
Total Credits:		33

Year IV		Credits
MKTG411	Integrated Marketing Communications	3
MKTG412	Marketing Strategy	3
QMDS400	Project and Quality Management	3
Three general education courses ****		6
One distribution/diversity course		3
Three courses selected from the Retail and Services Marketing Required Electives		9
Two bachelor's degree courses		6
Total Credits:		33

Retail and Services Marketing Required Electives

Select **two** from the following:

MKTG420	Services Marketing
MKTG421	Sales Management
MKTG422	Retail Strategy
MKTG423	International Retailing
MKTG424	Marketing for Hospitality Industry
MKTG426	Events Marketing
MKTG436	Leisure and Lifestyle Marketing

Select **one** from the following:

MKTG341	Business-to-Business Marketing
MKTG427	Marketing Channel Management
MKTG428	Product Management
MKTG429	Pricing Strategy
MKTG430	Customer Relationship Management
MKTG431	Internet Marketing: Principles and Models
MKTG432	Brand Management
MKTG433	Quantitative Marketing Research

- * Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.
- ** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
- *** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English course(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English course(s).
- **** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
- # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage for more information (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>).
- § Subject to the actual courses offered, study plan arrangement of that academic year will be announced in the FBA website (<http://fba.umac.mo/programmes/bachelor/study-plans-and-self-graduation-check/>).
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FACULTY OF BUSINESS ADMINISTRATION

Bachelor's Degree Programmes**Bachelor of Science in Accounting with Specialization in Professional Accountancy**

Year I		Credits
ACCT100	Principles of Financial Accounting	3
BECO100	Principles of Microeconomics	3
EBIS112	Contemporary Information Systems for Organizations *	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology **	3
QMDS100	Business Mathematics ***	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ****		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ****		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three General Education Courses		9
Total Credits:		33

Year II		Credits
ACCT210	Management Accounting I	3
ACCT211	Intermediate Accounting I	3
ACCT212	Intermediate Accounting II	3
ACCT214	International Financial Reporting Standards and the Global Environment	3
ACCT311	Management Accounting II	3
ACCT314	Accounting Information Systems	3
BECO101	Principles of Macroeconomics	3
MGMT220	Business Communications *****	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
One Distribution/Diversity Course		3
Total Credits:		33

Year III		Credits
ACCT312	Intermediate Accounting III	3
ACCT313	Advanced Financial Accounting	3
BBEL332	Business Law	3
FINC210	Financial Management	3
QMDS300	Quantitative Decision Analysis	3
One General Education Course		3
One Distribution/Diversity Course		3
One course selected from the Professional Accountancy Required Electives		3
Two Bachelor's Degree Courses (Non-FBA Courses)		6
One Bachelor's Degree Course		3
Total Credits:		33

Year IV		Credits
ACCT332	Auditing I	3
ACCT420	Accounting Theory	3
ACCT433	Corporate Governance	3
ACCT434	Managerial Auditing	3
ACCT442	Taxation in Macao and Hong Kong	3
ACCT443	International Taxation	3
MGMT330	Strategic Management	3
Three General Education Courses *****		6
One Distribution/Diversity Course		3
One Bachelor's Degree Course (Non-FBA Course)		3
Total Credits:		33

Professional Accountancy Required Electives

ACCT315	Public Accounting Practice and Seminar
ACCT421	Special Topics in Accounting
ACCT424	Public Sector Accounting
ACCT427	Casino Accounting
ACCT432	Auditing II
ACCT435	China Tax

* Students are required to take the course 'Contemporary Information Systems for Organizations' for the GE course in area of 'Information Technology and Knowledge Society'.

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- ** Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.
- *** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
- **** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English courses(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English courses(s).
- ***** Students are required to take the course 'Business Communications' to substitute the GE course in area of 'Communication'.
- ***** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
- # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>) for more information.
- § Subject to the actual courses offered, study plan arrangement of that academic year will be announced in the FBA website (<http://fba.umac.mo/programmes/bachelor/study-plans-and-self-graduation-check/>).
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Bachelor's Degree Programmes

Bachelor of Science in Accounting with Specialization in Accounting and Information Systems

Year I		Credits
ACCT100	Principles of Financial Accounting	3
BECO100	Principles of Microeconomics	3
EBIS112	Contemporary Information Systems for Organizations *	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology **	3
QMDS100	Business Mathematics ***	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ****		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ****		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three General Education Courses		9
Total Credits:		33

Year II		Credits
ACCT210	Management Accounting I	3
ACCT211	Intermediate Accounting I	3
ACCT212	Intermediate Accounting II	3
ACCT311	Management Accounting II	3
ACCT314	Accounting Information Systems	3
ACIS220	Business Programming	3
BECO101	Principles of Macroeconomics	3
MGMT220	Business Communications *****	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
One General Education Course		3
Total Credits:		33

Year III		Credits
ACIS310	Database Management	3
ACIS320	E-auditing	3
ACIS321	Analysis and Design of Information Systems	3
BBEL332	Business Law	3
EBIS315	E-business and Global Business Environment	3
FINC210	Financial Management	3
QMDS300	Quantitative Decision Analysis	3
Two Distribution/Diversity Courses		6
One course selected from Accounting and Information Systems Required Electives		3
One Bachelor's Degree Course		3
Total Credits:		33

Year IV		Credits
ACIS410	Spreadsheets & Decision Modeling	3
ACIS420	Information Systems Project Management	3
ACIS421	Web-based Development of Information Systems	3
ACIS450	Implementation of Accounting Information Systems	3
MGMT330	Strategic Management	3
Three General Education Courses *****		6
One Distribution/Diversity Course		3
Three Bachelor's Degree Courses		9
Total Credits:		33

Accounting and Information Systems Required Electives

ACIS350	Database Applications in Accounting Information Systems
ACIS351	E-accounting and Financial Modeling
ACIS353	Accounting Information Systems Security and Assurance
ACIS354	Business Data Mining
ACIS355	Enterprises Resource Planning Systems
EBIS301	Business Application Programming
EBIS304	Computer Networking for Business
EBIS310	IT for Logistics and Supply Chain Management
EBIS314	Business Modeling and Stimulation

- * Students are required to take the course 'Contemporary Information Systems for Organizations' for the GE course in area of 'Information Technology and Knowledge Society'.

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- ** Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.
- *** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
- **** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English courses(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English courses(s).
- ***** Students are required to take the course 'Business Communications' to substitute the GE course in area of 'Communication'.
- ***** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
- # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>) for more information.
- § Subject to the actual courses offered, study plan arrangement of that academic year will be announced in the FBA website (<http://fba.umac.mo/programmes/bachelor/study-plans-and-self-graduation-check/>).
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FACULTY OF BUSINESS ADMINISTRATION

Bachelor's Degree Programmes**Bachelor of Science in Finance**

Year I		Credits
ACCT100	Principles of Financial Accounting	3
BECO100	Principles of Microeconomics	3
BECO101	Principles of Macroeconomics	3
EBIS112	Contemporary Information Systems for Organizations *	3
MGMT110	Principles of Business Management	3
QMDS100	Business Mathematics **	3
QMDS105	Applied Calculus	3
SAGE102	First-Year Experiential Learning	0

One course selected from the following four courses *** 3

EELC121	English II: Introduction to University English 1
EELC131	English III: Academic English 1
EELC141	English IV: Academic English 3
ENGL112	Critical Reading and Writing

One course selected from the following four courses *** 3

EELC122	English II: Introduction to University English 2
EELC132	English III: Academic English 2
EELC142	English IV: Academic English 4
ENGL113	Experiencing Literature in English

Two General Education Courses 6

One Bachelor's Degree Course 3

Total Credits: 36

Year II		Credits
BECO201	Intermediate Economics	3
BECO210	Econometrics I	3
FINC214	Corporate Finance	3
FINC344	Portfolio Management	3
MGMT220	Business Communications ****	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
QMDS203	Linear Algebra	3

One General Education Course 3

Two Distribution/Diversity Elective Courses 6

Total Credits: 33

Year III		Credits
BBEL332	Business Law	3
FINC302	Derivative Securities	3
FINC313	Financial Statement Analysis and Valuation	3
FINC431	International Finance & Global Issues	3
MGMT330	Strategic Management	3
PSYB111	Introduction to Psychology *****	3
One Distribution/Diversity Elective Course		3
One General Education Course		3
Three courses selected from the Finance Required Electives		9
Total Credits:		33

Year IV		Credits
FINC432	Financial Modeling	3
FINC434	Applied Financial Project (one-year course with 6 credits)	6
Three General Education Courses *****		6
Four Bachelor's Degree Courses		12
Two courses selected from the Finance Required Electives		6
Total Credits:		33

Finance Required Electives

BECO306	Money and Banking
BECO311	Financial Econometrics
BECO415	International Banking
FINC341	Theory of Finance
FINC343	Financial Markets and Institutions
FINC421	Case Studies in Corporate Finance
FINC423	Risk and Insurance
FINC426	Mergers and Acquisitions
FINC427	Fixed Income Securities
FINC428	Real Estate Investment and Financing
FINC429	Behavioral Finance
FINC433	Bank Management
FINC435	Financial Risk Management
FINC436	Advanced Financial Mathematics
FINC437	Exotic Options and Structured Products
QMDS304	Advanced Calculus

- * Students are required to take the course 'Contemporary Information Systems for Organizations' for the GE course in area of 'Information Technology and Knowledge Society'.
- ** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
- *** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English courses(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English courses(s).
- **** Students are required to take the course 'Business Communications' to substitute the GE course in area of 'Communication'.
- ***** Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.
- ***** Two GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
- # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage for more information (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>).
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Bachelor's Degree Programmes

Bachelor of Science in Finance

- Financial Engineering

Year I		Credits
ACCT100	Principles of Financial Accounting	3
BECO100	Principles of Microeconomics	3
BECO101	Principles of Macroeconomics	3
EBIS112	Contemporary Information Systems for Organizations *	3
MGMT110	Principles of Business Management	3
QMDS100	Business Mathematics **	3
QMDS105	Applied Calculus	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ***		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ***		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Two General Education Courses		6
One Bachelor's Degree Course		3
Total Credits:		36

Year II		Credits
BECO201	Intermediate Economics	3
BECO210	Econometrics I	3
FINC214	Corporate Finance	3
FINC344	Portfolio Management	3
MGMT220	Business Communications ****	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
QMDS203	Linear Algebra	3
One General Education Course		3
Two Distribution/Diversity Elective Courses		6
Total Credits:		33

Year III		Credits
BBEL332	Business Law	3
BECO311	Financial Econometrics	3
EBIS318	Computer Programming Using C++	3
FINC302	Derivative Securities	3
FINC427	Fixed Income Securities	3
FINC431	International Finance & Global Issues	3
MGMT330	Strategic Management	3
PSYB111	Introduction to Psychology *****	3
QMDS304	Advanced Calculus	3
One General Education Course		3
One Distribution/Diversity Elective Course		3
Total Credits:		33

Year IV		Credits
FINC434	Applied Financial Project (one-year course with 6 credits)	6
FINC435	Financial Risk Management	3
FINC436	Advanced Financial Mathematics	3
FINC437	Exotic Options and Structured Products	3
Three General Education Courses *****		6
Four Bachelor's Degree Courses		12
Total Credits:		33

* Students are required to take the course 'Contemporary Information Systems for Organizations' for the GE course in area of 'Information Technology and Knowledge Society'.

** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.

*** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English courses(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English courses(s).

**** Students are required to take the course 'Business Communications' to substitute the GE course in area of 'Communication'.

***** Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.

***** Two GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.

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- # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage (http://www.umac.mo/reg/cstudents_enrolment_main.php) for more information.
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FACULTY OF BUSINESS ADMINISTRATION

Bachelor's Degree Programmes**Bachelor of Science in Hospitality and Gaming Management****- Gaming Management**

Year I		Credits
BECO100	Principles of Microeconomics	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology *	3
QMDS100	Business Mathematics **	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ***		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ***		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three General Education Courses		9
Two Distribution/Diversity Elective Courses		6
Total Credits:		33

Year II		Credits
ACCT100	Principles of Financial Accounting	3
ACCT213	Principles of Managerial Accounting	3
BECO101	Principles of Macroeconomics	3
GAHM200	Introduction to Gaming Management	3
GAHM201	Introduction to Hospitality Management	3
GAHM202	Psychology of Gambling	3
MGMT220	Business Communications ****	3
MKTG220	Principles of Marketing	3
QMDS102	Applied Calculus	3
QMDS201	Probability and Statistics	3
QMDS202	Data Analysis and Modeling	3
One course selected from the Gaming Management Required Electives List A		3
Total Credits:		36

Year III		Credits
FINC210	Financial Management	3
GAHM306	Casino Management	3
GAHM307	The Macao Gaming and Hospitality Industries	3
GAHM323	Gaming Law	3
MGMT332	Human Resources Management	3
QMDS302	Casino Mathematics	3
Three General Education Courses		9
Two Bachelor's Degree Courses (non-FBA courses)		6
One course selected from the Gaming Management Required Electives List B		3
Total Credits:		36

Year IV		Credits
ACCT428	Casino Accounting and Audit	3
GAHM400	Casino Marketing	3
GAHM401	Strategic Management for the Gaming and Hospitality Industries	3
GAHM417	Global Issues in Gaming and Hospitality Management	3
GAHM430	Gaming Management Internship	3
GAHM431	Gaming Management Project	3
Two General Education Courses *****		3
One course selected from the Gaming Management Required Electives List B		3
One Bachelor's Degree Course (non-FBA course)		3
One Bachelor's Degree Course		3
Total Credits:		30

Gaming Management Required Electives: List A

QMDS103	Logic and Reasoning
QMDS104	Human Information Processing

Gaming Management Required Electives: List B

BECO406	Applied Economics for Leisure Industries
GAHM300	Social and Economic Impacts of Gambling
GAHM303	Quality Service Management
GAHM305	Convention and Exhibition Management
GAHM310	Gaming Technology
GAHM311	Information Technology and the Leisure Industries

GAHM312	Responsible Gambling
GAHM313	Business Ethics in the Gaming Industry
GAHM317	Casino Finance
GAHM318	Security and Surveillance Management
GAHM320	Selected Topics in Human Resource Management
GAHM321	Quantitative Techniques for Tourism and Hospitality Management
GAHM322	Data Analysis for Tourism and Hospitality Management
GAHM324	Hotel and Resort Management
GAHM326	Revenue Management
QMDS300	Quantitative Decision Analysis

- * Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.
- ** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
- *** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English course(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English course(s).
- **** Students are required to take the course 'Business Communications' to substitute the GE course in area of 'Communication'.
- ***** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
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Bachelor's Degree Programmes

Bachelor of Science in Hospitality and Gaming Management

- Convention and Hospitality Management Stream

Year I		Credits
BECO100	Principles of Microeconomics	3
MGMT110	Principles of Business Management	3
PSYB111	Introduction to Psychology *	3
QMDS100	Business Mathematics **	3
SAGE102	First-Year Experiential Learning	0
One course selected from the following four courses ***		3
EELC121	English II: Introduction to University English 1	
EELC131	English III: Academic English 1	
EELC141	English IV: Academic English 3	
ENGL112	Critical Reading and Writing	
One course selected from the following four courses ***		3
EELC122	English II: Introduction to University English 2	
EELC132	English III: Academic English 2	
EELC142	English IV: Academic English 4	
ENGL113	Experiencing Literature in English	
Three General Education Courses		9
Two Distribution/Diversity Elective Courses		6
Total Credits:		33

Year II		Credits
ACCT100	Principles of Financial Accounting	3
ACCT213	Principles of Managerial Accounting	3
BECO101	Principles of Macroeconomics	3
GAHM200	Introduction to Gaming Management	3
GAHM201	Introduction to Hospitality Management	3
MGMT220	Business Communications ****	3
MKTG220	Principles of Marketing	3
QMDS200	Statistics and Data Analysis	3
Three General Education Courses		9
One Distribution/Diversity Elective Course		3
Total Credits:		36

Year III		Credits
FINC210	Financial Management	3
GAHM305	Convention and Exhibition Management	3
GAHM307	The Macao Gaming and Hospitality Industries	3
GAHM308	Festival & Event Management	3
GAHM324	Hotel and Resort Management	3
GAHM325	Hospitality and Tourism Law	3
MGMT332	Human Resources Management	3
QMDS300	Quantitative Decision Analysis	3
Two General Education Courses *****		3
One course selected from the Convention and Hospitality Management Required Electives		3
Two Bachelor's Degree Courses (non-FBA courses)		6
Total Credits:		36

Year IV		Credits
GAHM303	Quality Service Management	3
GAHM401	Strategic Management for the Gaming and Hospitality Industries	3
GAHM402	Hospitality Marketing and Promotion	3
GAHM417	Global Issues in Gaming and Hospitality Management	3
GAHM418	Professional Development in Convention and Hospitality Industry	3
GAHM432	Convention and Hospitality Management Internship	3
GAHM433	Convention and Hospitality Management Project	3
One course selected from the Convention and Hospitality Management Required Electives		3
One Bachelor's Degree Course (non-FBA course)		3
One Bachelor's Degree Course		3
Total Credits:		30

Convention and Hospitality Management Required Electives

BECO406	Applied Economics for Leisure Industries
GAHM300	Social and Economic Impacts of Gambling
GAHM306	Casino Management
GAHM311	Information Technology and the Leisure Industries
GAHM315	Retail Management for Casino Resorts
GAHM316	Facilities Management
GAHM318	Security and Surveillance Management
GAHM319	Food and Beverage Management
GAHM320	Selected Topics in Human Resource Management
GAHM321	Quantitative Techniques for Tourism and Hospitality Management
GAHM326	Revenue Management

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- * Students are required to take the course 'Introduction to Psychology' to substitute the GE course in area of 'Life Science, Health and the Human Condition'.
- ** Students are required to take the course 'Business Mathematics' to substitute the GE course in area of 'Mathematics/Quantitative Reasoning'.
- *** Students are required to take ONE pair of the above English courses. If students are not eligible to take intermediate English course(s) as mentioned above, they will first need to pass lower level English course(s), before being eligible to take intermediate English course(s).
- **** Students are required to take the course 'Business Communications' to substitute the GE course in area of 'Communication'.
- ***** Two of the GE courses included are in areas of 'Physical Education' and 'Visual and Performing Arts'.
- # The distribution/diversity courses should be from different disciplines other than the student's own major programme. Disciplines of each FBA major programme are listed on the FBA website (http://www.umac.mo/fba/bachelor/Diversity_elective.pdf). For discipline of each course, please visit the Registry homepage for more information (<http://reg.umac.mo/current-students/course-enrolment/generalinfo/>).
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Course Description

ACCT100 PRINCIPLES OF FINANCIAL ACCOUNTING

This course is an introductory course to Financial Accounting. It covers issues related transaction analysis and the accounting cycle. It also provides specific coverage of Balance Sheet and Income Statement accounts and the accounting choices and issues concerning those accounts. Finally, it does provide an introduction to the preparation of the Statement of Cash Flows.

Pre-requisite: None

ACCT210 MANAGEMENT ACCOUNTING I

This is the first course in the Cost/Managerial sequence for Accounting and Financial Controllershship students. It provides an introduction and detailed discussion of Cost Accounting topics such as: Cost terminology, job order and process costing, cost assignment systems, maser budgets and flexible budgets.

Pre-requisite: ACCT100 Principles of Financial Accounting

ACCT211 INTERMEDIATE ACCOUNTING I

This is the first course in a three course sequence on Financial Accounting for Accounting and Financial Controllershship students. This course provides a presentation and examination of topics introduced Principles of Financial Accounting. The emphasis is on the conceptual foundations of accounting principles and translating them into procedural treatments of financial information. Topics covered in this course will include coverage of the following: financial accounting standards, the conceptual framework, qualitative characteristics of accounting, the accounting cycle, and a detailed discussion of the preparation and use of financial statements. There will also be an in-depth analysis of specific accounts such as cash, accounts receivable, inventories, property, plant and equipment and intangibles.

Pre-requisite: ACCT100 Principles of Financial Accounting

ACCT212 INTERMEDIATE ACCOUNTING II

This is the second course in a three course sequence on Financial Accounting for Accounting and Financial Controllershship students. This course continues an examination of the liability and equity accounts. Topics will include current liabilities and contingencies, long-term liabilities and leases, stockholders' equity including coverage of the issuance and repurchase of shares, dividend policy, and the impact of dilutive securities on earnings per share. The effect of share conversions, warrants, stock options and compensation plans will also be discussed.

Pre-requisite: ACCT211 Intermediate Accounting I

ACCT213 PRINCIPLES OF MANAGERIAL ACCOUNTING

This course is an introductory course to Managerial Accounting for non-accounting students. This course will cover issues related to cost behavior, cost tracking, assignment and allocations, decision making with accounting data, responsibility accounting and other related issues. This course will not count for credit if the student later enrolls in Cost Accounting and Budgeting.

Pre-requisite: ACCT100 Principles of Financial Accounting

ACCT214 INTERNATIONAL FINANCIAL REPORTING STANDARDS AND THE GLOBAL ENVIRONMENT

This course is to provide students the basis concepts of the development of IFRS that will receive broad consensus support, regulators have been active in developing further requirements concerning corporate governance. It also focuses on the international accounting scandals in the US or Europe and by shareholder activism fuelled by the apparent lack of any relation between increases in directors' remuneration and company performance.

Pre-requisite: ACCT100 Principles of Financial Accounting

ACCT311 MANAGEMENT ACCOUNTING II

This is the second course in the Cost Managerial sequence for Accounting and Financial Controllership students. It addresses topics more closely associated with the use of accounting data for decision making within the company. It includes topics such as: decision making and relevant information, pricing decisions, cost allocations for service departments and joint products, transfer pricing and responsibility accounting.

Pre-requisite: ACCT210 Management Accounting I

ACCT312 INTERMEDIATE ACCOUNTING III

This is the third course in a three course sequence on Financial Accounting for Accounting and Financial Controllership students. This course examines issues in financial reporting for both the perspectives of both the preparer and the user. The course makes reference to the US accounting standards and the International financial accounting standards. Topics will include investments, accounting for derivative financial instruments, foreign currency issues, revenue recognition, accounting for deferred taxes, accounting changes and error analysis, statement of cash flows and basic financial statement analysis.

Pre-requisite: ACCT212 Intermediate Accounting II

ACCT313 ADVANCED FINANCIAL ACCOUNTING

This course provides students with a comprehensive understanding of business combinations and inter-corporate ownership. It covers the preparation of consolidated financial statements, beginning with the basic consolidation process and continuing through a variety of inter-company transactions. It will also cover multinational operations including the treatment of transactions denominated in foreign currencies.

Pre-requisite: ACCT211 Intermediate Accounting I

ACCT314 ACCOUNTING INFORMATION SYSTEMS

This course provides a detailed study of accounting as an information system. It will examine the documentation tools used in the collection, storage and usage of information in common business processes. Control issues will also be discussed with reference to computerized information environments and manual systems. Students will also learn about the system development cycle.

Pre-requisite: (1) ACCT100 Principles of Financial Accounting AND EBIS100 Introduction to Computing (for students admitted 2010 or before) OR (2) ACCT100 Principles of Financial Accounting AND EBIS112 Contemporary Information Systems for Organizations (for students admitted 2011 or after)

ACCT315 PUBLIC ACCOUNTING PRACTICE AND SEMINAR

This course provides students opportunities to learn the application of accounting knowledge through internship and seminar activities. It also assists the students to build up their understanding of financial and other reports and develop their competencies in analyzing and interpreting them strategically and integratively for necessary decision-making via the practical experience in the field of Accounting.

Pre-requisite: ACCT212 Intermediate Accounting II

ACCT332 AUDITING I

This course will discuss Generally Accepted Auditing Standards (GAAS) and International Standards on Auditing (ISA). The student will learn about the role of the auditing in a modern corporate setting. This will include the demand for auditing services, ethical dimensions of the auditing function and the responsibilities and legal liabilities of auditors.

The student will also learn the importance and process of many audit functions including: planning audits, collection of audit evidence, assessing risk and internal controls, understanding audit sampling and analytical procedures, constructing the audit report.

Pre-requisite: ACCT212 Intermediate Accounting II AND ACCT314 Accounting Information Systems

ACCT420 ACCOUNTING THEORY

This course begins with an overview of several research methodologies. It provides an examination of the three major approaches to accounting theory and research, namely the classical approach, the market-based accounting research and the "positive" accounting theory approach. This course also surveys selected "positive" accounting theory studies in the literature and examines topics such as quality of earnings and relevance of empirical research to financial analysis.

Pre-requisite: ACCT212 Intermediate Accounting II

ACCT421 SPECIAL TOPICS IN ACCOUNTING

This course will address current controversies in Accounting, Auditing and Tax accounting. It will focus on issues of current interest to the profession and/or accounting research. This course will generally be available to year four Accounting and Financial Control students only. If the topic permits, the instructor may open the course to your three Accounting and Financial Control students also.

Pre-requisite: ACCT311 Management Accounting II

ACCT422 CASINO AUDITING

This course will examine the special audit concepts and procedures for the Casino industry. This course will include a discussion of both the financial audit issues and the operational audit issues as they pertain to Casino operations.

Pre-requisite: ACCT427 Casino Accounting

ACCT423 CHINESE ACCOUNTING, AUDITING AND TAX

This course will examine the distinctive features of the financial reporting system in China. Distinctive features will be presented and discussed. The student will learn about the operation of financial systems in China and will discuss the reasons for and effects of these distinctive accounting features.

Pre-requisite: ACCT312 Intermediate Accounting III

ACCT424 PUBLIC SECTOR ACCOUNTING

This course will cover fundamental concepts of accounting principles and practices in government and not-for-profit organizations. Concepts of budgeting, fund accounting, encumbrances and value of money in the public sector will be important topics in this class.

Pre-requisite: ACCT100 Principles of Financial Accounting

ACCT426 DESIGN AND ANALYSIS OF COST CONTROL SYSTEMS

This course focuses on the development of cost control and management systems in commercial operations. It is designed to allow students to gain knowledge, insight, and analytical skill related to how a manager goes about designing, implementing and using planning and control system to implement a company's strategies. It is also an integrated course of Management Accounting I and II. The focus is on the analysis of cost control systems through case studies.

Pre-requisite: ACCT311 Management Accounting II

ACCT427 CASINO ACCOUNTING

This course addresses the specific accounting issues that are encountered in a typical Casino Resort establishment. These issues include specific Casino Accounting issues related to recording of specific casino related transactions, casino revenue issues, control features inside a casino environment. This will cover table games, slot machines and other casino activities.

In addition, issues related to the complex nature of a multi-faceted casino resort. The accounting problems related to a multi-faceted business will be examined from a managerial, financial and auditing perspective.

Pre-requisite: ACCT210 Management Accounting I

ACCT428 CASINO ACCOUNTING AND AUDIT

The purpose of this course is to introduce the student to accounting and auditing issues related to Casino (and resort) operations. A substantial portion of the course will address issues raised and covered in the Accounting and Auditing Guide published by the American Institute of Certified Public Accountants (AICPA). Other issues related to cost/managerial accounting issues will also be addressed. At the completion of this course, the student can be able to handle the preparation of financial statements in conformity with the generally accepted accounting principles. It can also assist them to work in auditing and reporting on financial statements of casinos by describing those conditions or procedure unique to the industry and by illustrating the form and content of casino financial statements and related disclosures.

Pre-requisite: ACCT100 Principles of Financial Accounting

ACCT429 INTERNATIONAL FINANCIAL REPORTING

This course focuses on major accounting systems world-wide. It will examine the differences in accounting systems and the factors that affect these differences. It will also examine the International Financial Reporting Standards and the manner in which these have been adopted, in part or in whole, in various accounting venues.

Pre-requisite: ACCT212 Intermediate Accounting II

ACCT432 AUDITING II

This is the second course in Auditing. Several important audit concepts and procedures will be presented and discussed in this course including: the appropriate audit procedures for different audit cycles, internal control structures and test of transactions, internal controls and details of balances for each cycle, audit of subsequent events and post balance sheet transactions.

Pre-requisite: ACCT332 Auditing I

ACCT433 CORPORATE GOVERNANCE

This course provides an advanced level of knowledge of the theories, models and practice of accounting and finance, together with the ability to relate this knowledge to wider issues of management and corporate strategy. It also provides the ability to critically analyse and use relevant information to offer interpretations and solutions to problems. Students have the opportunity to focus in depth on a specific area of the business finance function. The course also relates the real world examples to illustrate the existing problems.

Pre-requisite: ACCT100 Principles of Financial Accounting

ACCT434 MANAGERIAL AUDITING

This course provides extensive coverage of the new management accounting practices being adopted by innovative companies around the world, including activities based management, kaizen, target costing and balance scorecard. The emphasis is on cases discussion, presentation, analysis and testing. Cases require application of knowledge and therefore, it is assumed that students taking the course have retained knowledge of previous courses content.

Pre-requisite: ACCT311 Management Accounting II

ACCT435 CHINA TAX

This course provides comprehensive coverage of the tax system in China. It introduces the context in which China's laws operate and the many significant issues that are required for business and investment activities on the mainland. The course covers specifically on the taxation laws of mainland China including Individual Income Tax, Enterprise Income Tax, Value-Added Tax, Business Tax, the various indirect taxes, tax reforms, tax treaties and so on.

Pre-requisite: None

ACCT442 TAXATION IN MACAO AND HONG KONG

This course introduces the various taxes, direct and indirect, currently levied in Macao and Hong Kong. Both computational and conceptual understanding are stressed. At the conclusion of this course, the students should be able to apply tax principles, ordinances and procedures in evaluating tax cases in order to provide proper computations for tax returns and to present

supporting arguments and thoughts in a logical manner.

Pre-requisite: ACCT211 Intermediate Accounting I

ACCT443 INTERNATIONAL TAXATION

This course provides an introduction to tax systems in other (not Hong Kong and Macao) selected tax jurisdictions. It also provides additional coverage on selected Hong Kong and Macao taxes such as Tourism tax, Excise tax, Motor Vehicle Tax, Stamp Tax and other taxes.

Pre-requisite: ACCT442 Taxation in Macao and Hong Kong

ACCT710 ACCOUNTING

The course will promote the students' development of a functional knowledge of accounting information and procedures. The Balance Sheet, Income Statement and Statement of Cash Flows will be reviewed from the perspective of the user of financial information. This course will include an introduction to basic elements of the International Financial Reporting Standards. The course will also include some coverage of product costing, cost behavior analysis and financial budgeting.

Pre-requisite: None

ACCT712 FINANCIAL ACCOUNTING AND THEORY

This course aims at introducing the conceptual foundation of accounting principles and translating them into procedural treatments of accounting information. The focus is on asset, liability and owners' equity measurement and timing of recognition issues, together with accounting theory issues such as standard setting and development, conceptual framework of accounting, controversies in accounting as well as ethical decision making models. This is a basic to intermediate level course and the emphasis will be put on International Financial Reporting Standards.

Pre-requisite: None

ACCT713 FINANCIAL REPORTING AND ANALYSIS

This course is, in principle, a continuation of Financial Accounting and Theory (ACCT712), which is a basic to intermediate level course providing substantial knowledge in financial accounting. Topics include financial statement disclosures, accounting for investments and securities, income tax, accounting for employee benefits, leases, accounting changes and error analysis.

Pre-requisite: ACCT712 Financial Accounting and Theory OR ACCT716 Principles of Accounting

ACCT714 BUSINESS LAW

This course introduces the legislative system and commercial law in Macao. Topics include liability of commercial contracts, product liability and compensation, forms and liability of agents, legislation concerning limited liability companies, share limited companies and group corporations, commercial instruments, carriage of goods and insurance and commercial arbitration.

Pre-requisite: None

ACCT715 MANAGEMENT ACCOUNTING

This course is about the managerial use of accounting data to plan and control personnel and operations in the firm. The focus is on planning, decision-making and control by organizations, and on the accounting systems that managers have to assist them in their decisions about resource allocation and performance evaluation. Major topics included are product costing, costing approaches used in today's business environments, relevant costs for decision analysis, variance analysis, divisional performance evaluation and transfer pricing.

Pre-requisite: ACCT710 Accounting OR ACCT712 Financial Accounting and Theory

ACCT716 PRINCIPLES OF ACCOUNTING

The course will promote the students' development of a functional knowledge of accounting information and procedures. The Balance Sheet, Income Statement and Statement of Cash Flows will be reviewed from the perspective of the user of financial information. This course will include an introduction to basic elements of the International Financial Reporting Standards. The course will also include some coverage of product costing, cost behavior analysis and financial budgeting.

Pre-requisite: None

ACCT750 ADVANCED FINANCIAL REPORTING

This is an advanced level financial accounting course. Topics covered will include business combinations and impairment of goodwill, group, associate and joint venture reporting as well as accounting for foreign currency translation. The analysis of a company's quality of earnings and earnings management will also be discussed. Emphasis will be placed on the application of International Financial Reporting Standards.

Pre-requisite: ACCT713 Financial Reporting and Analysis

ACCT751 CORPORATE GOVERNANCE AND SOCIAL RESPONSIBILITY

This course aims at imparting an ethical mindset to the students in the conduct of business and the treatment of accounting information. Topics include the concept of corporate governance and accountability, the role and value of effective corporate governance, the role of directors and officers, ethics in and out of the boardroom, competition and compliance in trade practices, international corporate governance and corporate social responsibility in action.

Pre-requisite: ACCT715 Management Accounting or equivalent

ACCT752 PERFORMANCE MANAGEMENT AND CONTROL SYSTEMS

This is an advanced management accounting course with an organizational and strategic focus. Topics include how to creating value through management control systems, organizational analysis and value chain, strategic performance measurement and benchmarking, continuous quality improvement, project management and analysis and organizational strategies.

Pre-requisite: ACCT715 Management Accounting or equivalent

ACCT753 FINANCIAL RISK MANAGEMENT

This course aims at introducing the techniques of managing various types of financial risks which may be encountered by an organization. Topics covered include an introduction to financial risk management and accounting for financial instruments, sourcing and management of funds, cash flow and working capital management, investment evaluation and capital budgeting, accounting for financial instruments, hedge accounting, interest rate risk management, foreign exchange and how to control risks including SOX requirements.

Pre-requisite: FINC712 Financial Management or equivalent

ACCT754 CONTEMPORARY ISSUES IN ACCOUNTING

This course examines current issues faced by accountants, businesses and their stakeholders. Possible issues include new accounting standards implementation, unique business entities, and creative business mechanisms, social and environmental accounting and so on. The exact topics of contemporary interest will be determined by the instructor in charge.

Pre-requisite: ACCT751 Corporate Governance and Social Responsibility

ACCT755 AUDITING AND ASSURANCE

This course aims at introducing the nature and diversity of auditing and assurance services and the environment in which audit practitioners operate. Topics include assurance services framework, engagement acceptance, and communication with governance, assessing audit risk, the audit process, internal control, and auditor's responsibility to consider fraud, auditor's responsibility to consider going concern, performance audits, other assurance services and internal audit.

Pre-requisite: ACCT713 Financial Reporting and Analysis

ACCT756 TAXATION

This course aims at introducing the various direct and indirect taxes currently in force in the Macao and Hong Kong Special Administrative Regions as representative examples of taxation from both continental and common law systems. The taxes will include those levied on goods, properties, personal income and corporate earnings. Some discussions on tax planning issues will also be covered.

Pre-requisite: ACCT713 Financial Reporting and Analysis

ACCT757 CHINA TAXATION

This course introduces the unique taxation system in China. Topics will include the various types of direct and indirect taxes in China, tax reforms, holding structure and tax treaty benefits, transfer pricing and tax adjustment issues, rules for non-resident enterprises, business restructuring and investments in China. The focus will be on how businesses are being affected by the rules, the recent developments and trends, and planning ideas. After the course, students should be able to grasp basic tax planning ideas for investing in China, funding the businesses, IPO, how to restructure to improve tax efficiency, M&A, transfer pricing, and anti-tax avoidance.

Pre-requisite: ACCT713 Financial Reporting and Analysis

ACCT758 GOVERNMENTAL ACCOUNTING

This course introduces the concepts of accounting principles and studies practices in government and non-profit organizations. Topics covered include budgeting, fund accounting, encumbrances and value of money in the public sector.

Pre-requisite: ACCT712 Financial Accounting and Theory

ACCT759 HOSPITALITY AND GAMING ACCOUNTING

This course addresses the specific accounting issues that are encountered in a typical, multi-faceted casino resort establishment. The accounting problems will be examined from a managerial, financial and auditing perspective through discussions on revenue and expense accounting, payroll accounting, income statements, balance sheets and cash flow statements and their financial analysis, budgeting, forecasting, usage of accounting data in management and decision making, and specific casino accounting issues related to the recording of specific casino related transactions, casino revenue issues, and control features inside a casino environment. This will cover table games, slot machines and other casino activities.

Pre-requisite: ACCT712 Financial Accounting and Theory AND ACCT715 Management Accounting

ACCT770 ACCOUNTING RESEARCH METHODS

This course provides the basic research skills necessary for conducting empirical as well as applied research for the thesis component of the programme. Both quantitative as well as qualitative research methods used in accounting research will be introduced. Students will also be given grounding in computer software such as STATA, which will facilitate students in preparing thesis.

Pre-requisite: QMDS701 Statistics

ACIS220 BUSINESS PROGRAMMING

This is an introductory course on basic programming techniques and applications to deal with real business situations. A powerful computer programming language C++ will be adopted as the principal tool for the learning process. A wide variety of topics starting with the introduction to programming and the basic concepts of data types, extend to cover the different structures and build-in functions of the programming language. This elementary programming course is meant for students to get acquainted with the key programming and design techniques supported by C++, allowing them to understand, analysis and solve business problems through programme writing. Tutorial sessions will be offered to train students for the logical thinking and practical skills. At the completion of this course, students are expected to have a solid foundation in the basic concepts of programming, data abstraction, object-oriented programming and the technical skills required for problem-solving and business applications.

Pre-requisite: Any course from GE Information Technology and Knowledge Society

ACIS310 DATABASE MANAGEMENT

Database management is the foundation of any accounting information systems. During this course students will have ample opportunity to master the theoretical basis of relational database design in the context of accounting systems. Database management systems must effectively store, access and manipulate data as well as provide data security, data sharing and data integrity. This course emphasizes on both theories and hands-on experiences and most of the concepts will be explained through practical examples. The course work includes a term project in which students are required to design and implement a relational database for a part of the accounting system for a small business. The Microsoft ACCESS will be used as the main software package for students to gain hands-on experience. In-depth tutorials on commercial-grade Database Management Systems including Oracle and SQL Server will be given as well.

Pre-requisite: Any course from GE Information technology and Knowledge Society

ACIS320 E-AUDITING

This course explores the theories and practices of audit and control of computer-based information systems. Audit and control of information systems is examined from the viewpoint of management, systems professionals, and auditors. The rationale for controls, control theories, and audit practices are emphasized. Students will be exposed to risk assessment and professional standards in the field of information systems auditing.

Pre-requisite: None

ACIS321 ANALYSIS AND DESIGN OF INFORMATION SYSTEMS

The objective of this course is to provide students a theoretic foundation and technique of system analysis and design. To understand the importance of system analysis, information system concepts and techniques for data collection will be introduced prior to covering analysis and modelling tools. Discussion of process specifications and structured decisions, cost/benefits analysis and preparation of system proposal will be covered. Lastly, a variety of development tools will be introduced. Upon completion, students should be able to analyze and design different real systems.

Pre-requisite: Any course from GE Information technology and Knowledge Society

ACIS350 DATABASE APPLICATIONS IN ACCOUNTING INFORMATION SYSTEMS

This course is about the application of relational database techniques in the context of Accounting Information Systems (AIS). This project-oriented course aims to provide AIS students comprehensive training in practical IS database analysis and design. Advanced topics and techniques of accounting database systems, including SQL, transaction, accounting database administration and Internet-based database applications will be reviewed. The data warehousing techniques for modern AIS will also be introduced. The course work includes a team project in which students will design and implement Internet-based database applications to model and solve real business problems. Students are required to write systems analysis and design reports and present their reports at the end of the course. In-depth tutorials on commercial database management systems and applications will be given as well.

Pre-requisite: ACIS310 Database Management AND ACIS321 Analysis & Design of Information Systems

ACIS351 E-ACCOUNTING AND FINANCIAL MODELING

This course has two objectives. First, it provides a broad introduction to accounting information systems. The focus is to introduce enterprise systems, database management, documentation methods, internal controls, and the core business processes found in organizations to students. Second, it presents corporate modelling theory and uses financial modelling as an example. It covers areas such as using models as decision support tools, the types and uses of models, the benefits and limitations of models, and the development of models using standard industry software.

Pre-requisite: ACCT100 Principles of Financial Accounting

ACIS353 ACCOUNTING INFORMATION SYSTEMS SECURITY AND ASSURANCE

This course examines the control and security issues of accounting information systems as an organizational function to ensure the assurance of data integrity, system governance, system effectiveness, and system efficiency within the context of business processes. Topics include overview of accounting information systems and business processes, control and auditing of accounting information systems, risks evaluation and management, accounting information systems applications and system development strategies.

Pre-requisite: ACIS310 Database Management AND EBIS304 Computer Networking for Business

ACIS354 BUSINESS DATA MINING

This course focuses on learning how to use various data mining (DM) tools such as decision trees, classification, association and prediction algorithms etc., in the context of most common applications in business – accounting, sales, marketing, and customer relationship management. Students will be expected to use state-of-the-art commercial grade data mining software (SAS Enterprise Miner and SPSS Clementine) to analyse real-world data and make strategic recommendations for managerial actions. Students are expected to work extensively with DM software in analyzing data sets using various techniques such as decision trees, multiple/logistic regression, association rules, sequence detection, cluster analysis, text mining, etc. The course will use lectures, case discussions, lab tutorials, and exercises.

Pre-requisite: ACIS310 Database Management

ACIS355 ENTERPRISES RESOURCE PLANNING SYSTEMS

This course provides a broad introduction to ERP system from an operations management perspective, focusing on the activities of an organization in different business functions. Topics include concepts of ERP systems, ERP software, ERP vendors, integrating business functions in an organization, decision-making under ERP systems, and current issues in ERP systems. The objective of this course is to equip students with knowledge in basic concepts of ERP system so that they can recognize how the accounting systems interact with the other functional systems such as sales, production, and marketing systems in business organizations and know how to integrate the business activities in an organization in order to utilize organizational resources effectively and efficiently.

Pre-requisite: Any course from GE Information technology and Knowledge Society

ACIS410 SPREADSHEETS AND DECISION MODELING

The purpose of this course is to enhance students' skills in using spreadsheets to aid decision making. Spreadsheets are among the most widely used decision support tools in business today. They contain many useful analytical tools. Students will be taught in greater detail the usage of these tools. They will design macros to automate spreadsheet applications and learn about the common errors committed by spreadsheet users. Besides usage of the software, students will also be taught how to analyze managerial problems. The analyses will focus on the modelling aspects and will make use of spreadsheets to develop solutions to the problems.

Pre-requisite: Any course from GE Information technology and Knowledge Society

ACIS420 INFORMATION SYSTEMS PROJECT MANAGEMENT

Information systems projects are usually long-term, large-scale programming projects. This course introduces topics in the management of information systems projects. Beginning with an introduction on the theoretical foundation of software engineering (including software development process, what constitutes well-engineered software, and why it is so difficult to produce well-engineered software), the topics covered incorporates the 9 areas outlined in the Project Management Institute's Project Management Body of Knowledge (PMBOK®): project integration management, project scope management, project time management, project cost management, project quality management, project human resource management, project communications management, project risk management, and project procurement management.

Pre-requisite: Any course from GE Information technology and Knowledge Society AND MGMT110 Principles of Business Management

ACIS421 WEB-BASED DEVELOPMENT OF INFORMATION SYSTEMS

This course is designed to provide students with the practical skills of developing information systems. The students are required to design and implement accounting applications such as accounts receivable or payable system, inventory costing system and financial statements reporting system, etc. During the course, the students will learn how to use web-based languages and database systems to design and develop information systems.

Pre-requisite: ACIS220 Business Programming, ACIS310 Database Management AND ACIS321 Analysis and Design of Information Systems

ACIS450 IMPLEMENTATION OF ACCOUNTING INFORMATION SYSTEMS

This course is a continuation of Database Applications in Accounting Information Systems. Students are required to write a research report of systems they analyzed and designed in the previous course, and write reports and present their systems (including demonstration) at the end of the course.

Pre-requisite: ACIS421 Web-based Development of Information Systems

ACIS750 COMPUTER APPLICATIONS IN ACCOUNTING

This course introduces the computer applications in accounting. An accounting system includes a general ledger, an integrated accounts receivable and payable system, a payroll system, and a fixed asset depreciation system. Students will discuss the role of accounting as an information system and develop the knowledge and skills necessary to install and operate an integrated accounting package on a computer.

Pre-requisite: ACCT712 Financial Accounting and Theory AND EBIS710 Business Technology Management

BBEL332 BUSINESS LAW

This course aims to familiarize students with the fundamental concepts of the legal environment of business, so they will be able to take legal dimensions into account when making business decisions and to understand the main similarities of, and differences between, Macao civil law, Hong Kong and general common law and China business law. Topics to be covered include: Legal persons and companies; contracts, rights and business torts especially negligence; constraints on business from employment and environmental protection laws; and basic trade law.

Pre-requisite: MGMT110 Principles of Business Management

BECO100 PRINCIPLES OF MICROECONOMICS

The course enables students to understand the behaviour of different economic agents in the economy and their interactions in the market. It introduces to students the patterns of different market structures and their associated impacts, enabling students to understand the role of the government and the degree of efficiency in different market structures. The course also enables students to apply basic economic theories and models to explain real world economic phenomena.

The course covers the concepts of the demand, supply, their elasticity and market equilibrium. Consumer choices, production process, the costs of production and different market structures and their patterns will also be discussed in the classes.

Pre-requisite: None

BECO101 PRINCIPLES OF MACROECONOMICS

The course enables students to understand how the economy operates as a whole. It introduces to students the basic economic indicators, the underlining economic forces and the roles of the public and private sectors, enabling students to apply basic economic theories and models to explain contemporary economic issues.

The course introduces to students the basic economic indicators such as gross domestic

products, inflation, unemployment interest rate and their measurement. Concepts such as money supply and demand, the stock market, aggregate demand, fiscal and monetary policies and macroeconomic theories, including the Monetarism and New Classical theory will be discussed in the course.

Pre-requisite: None

BECO201 INTERMEDIATE ECONOMICS

This course covers topics on both the Macro- and Micro-economics sides at the intermediate level. On the macroeconomics side, the Keynesian IS-LM model in the close and open economy, various exchange rate regimes and their implications to the economy will be discussed. In addition, the AD-AS model will be derived and employed to perform policy analyses. On the microeconomics side, quantitative models in relation to consumer's choice, budget constraints and utility maximization will be focused. The concepts of profit maximization, cost minimization, firm's and industry's supply as well as the market structures of perfect competition, oligopoly and monopoly will also be addressed in the course. After this course, student would have a stronger quantitative background in economics. Besides, students are expected to be able to apply more sophisticated macro- and micro- economic models to conduct empirical economic analyses.

Pre-requisites: BECO100 Principles of Microeconomics AND BECO101 Principles of Macroeconomics

BECO210 ECONOMETRICS I

With the growing complexity of financial markets and their relations with the emerging economy, in-depth understanding of empirical relations postulate by economic theory is of paramount importance. This course highlights of the emergence of econometrics and its relation with finance. With a minimum level of theoretical discussion, it introduces econometric models. It focuses on the basics of econometric methods in the finance area and covers the statistical tools needed to understand (empirical) economic research, and to plan and execute independent research projects required in other quantitative subjects. Topics include statistical inference, regression, least squares, spherical error, dummy variables, panel data and non-spherical error. This course required you to have knowledge of economics, mathematics and statistics.

Pre-requisite: QMDS200 Statistics and Data Analysis

BECO300 ECONOMIC POLICY AND PLANNING

This course aims to introduce to students the political, social and economic considerations on the making of economic policies and planning. It delivers to students the analytical skills necessary in making policy suggestions to deal with the contemporary economic issues in Macao and the nearby regions.

In this course, topics such as the general principles of public policies, economic rationales for the state, market failure, the distributional and other goals of economic policies, fiscal and monetary policies and external shocks and domestic policy responses will be covered.

Pre-requisite: BECO309 Intermediate Macroeconomics

BECO301 PUBLIC ECONOMICS AND FINANCE

This course introduces to students the tools for analyzing the role of state (government) in the economy. It discusses the justification for government intervention in a market economy, analyzes the key area of government policy in public finance.

The topics covered in this course are Efficiency and market, Rationales for Government Intervention, Market Failure, Cost-Benefit Analysis, Equity and Rationale for Income Redistribution, Income Support for the Poor, Social Insurance and Tax Incidences.

Pre-requisite: BECO308 Intermediate Microeconomics

BECO302 THE CHINESE ECONOMY

The course aims to provide students with comprehensive coverage of various aspects of the contemporary Chinese economy. Students could learn how to employ different analytical approaches to understand the functioning of China's reform period, its economic transition and

development.

In this course, topics such as the geographical setting, socialist economic background, economic reforms and transitions, various production factors, ownership structure, different production sectors, township and village enterprises, foreign trade and foreign investment, macroeconomics and fiscal system, financial development and financial system reform and the environmental quality of China will be discussed.

Pre-requisite: BECO308 Intermediate Microeconomics AND BECO309 Intermediate Macroeconomics

BECO303 INTERNATIONAL TRADE AND COMMERCIAL POLICY

This course is to familiarize students with the basic theories and fundamental concepts used by economists/policy makers working in the field of international economics. It enables students to understand the nature, rationales, applications, implications and welfare distributions of different trade and commercial policies.

The topics covered in this course are foundations of modern trade theory, international equilibrium, trade model extensions and applications, economic growth and international trade, tariffs and non-tariff Barriers, trade regulations and industrial policies, trade policies for developing country, regional trading arrangements, international factor movements and multinational Enterprise.

Pre-requisite: BECO308 Intermediate Microeconomics

BECO304 ECONOMICS OF TOURISM

This course introduces to students the environmental, social, cultural and economic conditions, as well as public policy issues which are necessary to the success and sustainable growth in the tourism industry. The merits and defects of a tourism-based economy, and the current structure and prospects of tourism in Greater China and other East Asian countries will also be discussed. It enables students to understand both the demand- and supply-side factors in the tourism industry.

The topics covered by this course are the dynamics and effects of tourism evolution, the concepts, definitions and global trend in tourism, the market for tourism, the composition of the domestic and international tourism industry, the structure and economic role of tourism in the East Asia, the development of tourism in China, the growing interaction and evolving interrelationship between gaming and tourism and the tourism in the Great Pearl River Delta and Macao.

Pre-requisite: BECO100 Principles of Microeconomics AND BECO101 Principles of Macroeconomics

BECO305 ECONOMICS OF E-COMMERCE

The course introduces to students what is E-commerce and its importance in "New Economy". It gives students economic insights to understand e-commerce and make better decisions in e-commerce, enabling them to understand how products are sold electronically, and the digitalization of conventional business processes and their impacts.

Pre-requisite: BECO308 Intermediate Microeconomics AND BECO309 Intermediate Macroeconomics

BECO306 MONEY AND BANKING

This course introduces to students the nature and functions of money and the principal institutions involved in the money or financial side of our macroeconomy. After this course, students would be able to gain skill and practice in the analysis of economic situations, events, and policies, particularly those directly involve in money, banking and financial market.

Pre-requisite: BECO101 Principles of Macroeconomics

BECO307 ASIAN FINANCIAL MARKET

The course aims to introduce to students the composition and institutional framework of the Asian Financial Market. It discusses the basic structure of the money and banking system and the capital market of the major Asian and South-East Asian economies. It enables students to

understand the causes and implications of the Asian Financial Turmoil.

Pre-requisite: None

BECO308 INTERMEDIATE MICROECONOMICS

The course introduces to students the concepts and techniques of microeconomic analysis, with an objective of delivering students a rigorous knowledge on modern microeconomic theories, and to enable them to apply modern microeconomic theories to analyze individual's behaviour. The course covers topics such as budget constraint, preferences, utility, choice, demand and consumer surplus, market demand and equilibrium, technology and profit maximization, cost minimization and cost curves, firm supply and industry supply, monopoly and oligopoly.

Pre-requisite: BECO100 Principles of Microeconomics

BECO309 INTERMEDIATE MACROECONOMICS

This course enables students to understand how the economy operates in a complex world, and how macroeconomic policies operate to affect the domestic and foreign economies. After this course, students could be able to utilize these models to analyze various economic issues in a systematic and scientific way.

Fundamental and essential macroeconomic models, such as the goods and financial markets, the IS-LM and AD-AS model, their theoretical background and applications in the closed and open economy, the labor market, exchange rate regimes and the unemployment issue will be discussed in this course.

Pre-requisite: BECO101 Principles of Macroeconomics

BECO310 GLOBAL ECONOMIC ISSUES AND BUSINESS IMPLICATIONS

This course is a combination of economics and real world. It applies various basic economic theories to analyze various contemporary global economic issues which enables students to better understand the relation between economic knowledge and the goal of mankind: achieving prosperity. The lecture topics include Economic Growth, Poverty, Financial Crisis, Resources, Environment, Climate Change, Trade and the emerging of China.

Pre-requisite: BECO100 Principles of Microeconomics AND BECO101 Principles of Macroeconomics

BECO311 FINANCIAL ECONOMETRICS

The unprecedented development of financial markets, complexity of financial products, their dynamic relations of the markets with households, individuals and our economy – all leads to the necessity of in-depth understanding of relations posit by economic theory. This course highlights (i) the economic theory with statistics and mathematics, (ii) the emerging, perhaps the fastest growing field of econometrics and finance. With a minimum level of theoretical discussion, we introduce econometric models. We focus on the basics of econometric methods in asset pricing, risk management and corporate finance such as volatility processes, endogeneity, microstructure of financial markets and executive compensation. We cover the statistics and mathematics in need to understand (empirical) economic research, to plan and execute independent research projects. Topics include cross-sectional regression, (non-) spherical error, time-series models and panel data regression.

Pre-requisites: BECO210 Econometrics I AND FINC210 Financial Management

BECO400 ANALYSIS OF ECONOMIC INDICATORS

This course introduces to students the major economic indicators and their use in describing the state of an economy. It studies how economic indicators are measured, how they behave under different economic environments, what they tell and how different decision makers, including the government, business, investors, and consumers, make decisions based on economic indicators.

Topics include: introduction; economic growth and business cycle; economic indicators in the areas of production, employment, consumption, investment, price and wage, money and interest rate, financial market, government, balance of payment, exchange rate; decision making and economic indicators; economic derivatives.

Pre-requisite: BECO100 Principles of Microeconomics AND BECO101 Principles of Macroeconomics

BECO401 GAME THEORY AND ECONOMIC APPLICATION

This course introduces to students the basics of game theory relevant to economic analysis and their applications in various fields of business and economics.

Topics include: static games of complete information and Nash equilibrium; dynamic games of complete information and subgame-perfect Nash equilibrium; static games of incomplete information and Bayesian Nash equilibrium; dynamic games of incomplete information, perfect Bayesian equilibrium and its refinements; applications of game theory in business and economics.

Pre-requisite: None

BECO402 ECONOMETRICS II

This course is the extension of Econometrics I (ECIF310) with in-depth discussion of econometric modeling and its application in finance in academic and practice. It provides theoretical discussion of advance econometric models needed for financial economics research. Topics include error structure, panel data with non-spherical error, simultaneous equation and time-series modelling. This course required you to have Econometrics I and strong knowledge of economics, mathematics and statistics.

Pre-requisite: BECO210 Econometrics I

BECO403 INTRODUCTION TO ECONOMETRICS

The course aims to define and analyze variables and data set for particular statistical investigation, to familiarize students with the statistical estimation and inference in linear regression model and its application to problems in economics and the social sciences. In the course, students will learn how to carryout statistical estimation, and the methods in interpreting econometric results carried out and reported by others.

The course will cover topics such as the scope and limitations of econometrics, introduction to EViews and SAS, the nature of regression analysis, the foundation of different regression models, the normality assumption of the CLRM, interval estimation and hypothesis testing, multiple regression analysis and the problems associated in different estimation methods.

Pre-requisite: QMDS200 Statistics and Data Analysis OR FINC213 Statistics for Finance OR QMDS202 Data Analysis and Modeling

BECO404 APPLIED ECONOMETRICS

The course teaches students how to formulate and solve complex econometric problems and to conduct applied research using econometric tools. It provides students with a good understanding of econometric models for discrete and limited dependent variables, enabling students to develop practical skills necessary to perform independent research using empirical data.

Pre-requisite: BECO403 Introduction to Econometrics

BECO406 APPLIED ECONOMICS FOR LEISURE INDUSTRIES

Broadly speaking, leisure include the provision of such services as recreation, tourism and gaming, etc. The course examines the similarities and differences between the leisure industries and the traditional industries. Factors determining demand, supply and market structure of the leisure industries would be investigated. In addition, global and regional issues associated with future growth and development of these industries will also be explored. Various practical cases will be discussed to enhance students' understanding of the economic foundation of the leisure industries, as well as to elevate their decision making skills for these service sectors.

Pre-requisite: BECO100 Principles of Microeconomics AND BECO101 Principles of Macroeconomics

BECO407 THE ECONOMICS OF DEVELOPMENT

This course is to strengthen our ability to think analytically about the problems faced by developing economies. Students are encouraged to consider how barriers to development emerge and what policy can be designed to remove them.

This course is a research-oriented one, focusing on development problems faced by Macao, Hong Kong, Taiwan, and the rest of China. Students are required to undertake research projects on many real-world issues. They will see many new articles uploaded to the course-web, which go well beyond textbook discussions.

Pre-requisite: BECO308 Intermediate Microeconomics AND BECO309 Intermediate Macroeconomics

BECO408 HISTORY OF ECONOMIC THOUGHT

This course introduces to students the philosophical principles of the history of economic thought, and discusses economists' changing ideologies in revealing the economic societies across the different eras. It enables students to possess the ability to judge if and how an economic principle/theory can possibly be applied to evaluate contemporary economic phenomena.

Topics to be covered in the course are Ancient and Medieval economic thought, Pre-Classical Economics, the Classical Economic thought and its decline, the Marxian Economic thought, Marginalism and Neoclassical Economics, the rationale of General Equilibrium analysis, Keynesian and Post-Keynesian economics, Monetarism and Rational expectation, institutional economics, the Austrian School of economic thought, and the methodological development in economics.

Pre-requisite: BECO308 Intermediate Microeconomics AND BECO309 Intermediate Macroeconomics

BECO409 FINANCIAL ECONOMICS

This course enables students to develop analytical and quantitative skills in the Economics of Finance whose analysis is broader and deeper than that of Corporate Finance. After this course, students are expected to understand concepts such as Expected Utility, State Preference, Stochastic Dominance in Financial Economics.

Topics to be covered include a review of probability and statistics, expected utility theory, the capital asset pricing model (CAPM), consumption-based asset pricing theory, arbitrage pricing theory (APT), state preference theory, option pricing theory, market efficiency, the term structure of interest rates, forward contracts and futures contracts.

Pre-requisite: BECO308 Intermediate Microeconomics AND BECO309 Intermediate Macroeconomics AND QMDS200 Statistics and Data Analysis

BECO410 THE EUROPEAN ECONOMY

This course aims to introduce to students the theory of economic integration and the history, development, structure and objectives of the European Union (EU). Students are expected to understand the basic concepts of economic integration and the economic performance and prospects of the EU, its common policies, external and internal trade development and enlargement.

In this course, topics such as the fundamental concepts of economic integration, the history, institutions and economic issues of European integration, the Single European market, European Union's Common Policies, the Maastricht and the other treaties and the enlargement process of the EU will be discussed.

Pre-requisite: BECO309 Intermediate Macroeconomics

BECO411 ECONOMIC DEVELOPMENT IN ASIA PACIFIC

This course aims to enable students to understand the economic development process of the Asia-Pacific region. It entails to develop students' interest and knowledge on regional economic issues. It is expected to enhance students' independent learning ability in mastering the future regional development trend, as well as to relate the knowledge and learning to the regional business environment.

Applying fundamental economic theories, it focuses on comparing economies in the region from various dimensions, including basic economic strengths and weaknesses, growth dynamics, trade and investment patterns, financial system development, as well as economic cooperation initiatives.

Pre-requisite: None

BECO412 INVESTMENT AND PROJECT ANALYSIS

This course studies basic issues in the evaluation of business and public projects and decisions. Topics include: evaluation of business projects and decisions—capital budgeting, cash flow, risk, strategic options, and valuation by ratio; cost and benefit analysis of public projects and decisions—investment/decision criteria, identification and measurement of costs and benefits, discount rate, risk, cost effectiveness analysis, and income distribution.

Pre-requisite: BECO308 Intermediate Microeconomics AND FINC210 Financial Management

BECO413 CHINA'S FINANCIAL SYSTEM

This course introduces the changing features and structure of China's financial system since economic reforms. Topics include formation and characteristics of China's modern financial system in the first half of the twentieth century; its settings in the dawn of economic reforms; major changes in the 1980s and 1990s; interrelationship between industrial reforms and financial system reforms; changing roles and functions of the banking system in the domestic and world economy; issues associated with the progress of non-banking financial system and its outlooks. In addition, implications of China's WTO accession to its financial system would also be explored.

Pre-requisite: BECO308 Intermediate Microeconomics AND BECO309 Intermediate Macroeconomics

BECO414 ECONOMICS OF GLOBALIZATION

This course aims to enable students to understand the process of globalization. It entails to develop students' interest and knowledge on global economic issues. It is expected to enhance students' independent learning ability in mastering the future development trend of the global economy, as well as to relate the knowledge and learning to the global business environment.

Applying fundamental economic theories, it investigates the global economy from various dimensions, including economic development, international trade, international finance and international capital flows. The role of international organizations in shaping the global economy is also addressed.

Pre-requisite: BECO100 Principles of Microeconomics AND BECO101 Principles of Macroeconomics

BECO415 INTERNATIONAL BANKING

The course provides an overview of the theory and practice of banking. Key topics include the meaning of banking, different types of banks, diversification of banking activities, bank structure and regulation in developed and emerging economies, and financial crises. This course is to develop an understanding of the basic principles of international banking; an ability to successfully apply analytical decision making skills and solve problems; and an appreciation for the relevance of banking theory and its linkage with practice.

Pre-requisite: FINC210 Financial Management

BECO416 MANAGERIAL ECONOMICS FOR RETAILING SMES

The course provides comprehensive discussions and examinations of the economic and business aspects of retail SMEs. It discusses the factors leading to the success and failure of SMEs, introduces issues such as market behavior, business finance, and internal management, associated with SMEs in the global economy, and examines the SMEs in Macao, Hong Kong and the Pearl River Delta.

Pre-requisite: BECO308 Intermediate Microeconomics

BECO417 THE SERVICE SECTORS OF MACAO AND THE PAN PEARL RIVER DELTA

This course introduces to students the major aspects of the Macao economy, particularly the service sector, and its economic roles in the Pan Pearl River Delta. It focuses on the economic integration between Macao and the Pan Pearl River Delta, and studies the structural transition process of Macao toward a service-oriented economy and the implications. After this course, students are expected to be able to apply basic economic theories to analyze the development process of Macao and the Pan Pearl River Delta, particularly in the service industries.

Pre-requisite: BECO100 Principles of Microeconomics AND BECO101 Principles of Macroeconomics

BECO418 INDUSTRIAL ORGANIZATION AND BUSINESS STRATEGY

This course studies different market structures of one or several identical or similar products in one or multi-periods; firm decision making and strategies, profitability and market efficiency under different market structures; and effects of firm behavior on market structure. Topics include: basic theory – firm and cost; different market structures – competition, monopoly, cooperative oligopoly, non-cooperative oligopoly, and monopolistic competition; price discrimination; strategic behavior; vertical integration and vertical restrictions; information and advertising; durable good; research and development; government policies.

Pre-requisite: BECO308 Intermediate Microeconomics

BECO419 ECONOMIC ANALYSIS OF INVESTMENT PROJECTS

This course aims to introduce to students the basic concerns and techniques used in evaluating business and public projects. Concepts to be covered are capital budgeting, cash flow, risk, strategic options, valuation by ratios, costs and benefit analysis of public projects and decision criterions. The methods in costs and benefits identification and measurement, cost effectiveness analysis for business and public projects and the selection of discount rate are going to be addressed as well. Students are expected to be able to apply the analytical skills learned in this course to evaluate real world business and public projects.

Pre-requisite: BECO100 Principles of Microeconomics AND BECO101 Principles of Macroeconomics

BECO702 ECONOMICS

This course aims to introduce to students knowledge in economics and their application to the business world. After this course, students are expected to familiarize the techniques in applying economic concepts and theories to make business decisions. In the macroeconomic part of this course, major economic indicators, such as real growth in gross domestic product, inflation rate, unemployment rate, interest rate, exchange rate, balance of payment, their correlations and implications to the business world will be discussed. Theories in international trade and the concept of comparative advantage and their real world application will also be reviewed. In the microeconomic part, the concepts of demand and supply, consumer behavior and consumer choice, production and costs, profit maximization and pricing strategies, various market structures and the corresponding production and pricing decisions, game theory and its business application will all be covered.

Pre-requisite: None

BECO703 PRINCIPLES OF ECONOMICS

This course provides the foundation in economics. The major topics include microeconomics, macroeconomics and international economics. Appropriate references will be made to current issues in Macao, China and the international economy.

Pre-requisite: None

BECO710 STATISTICS AND FINANCIAL ECONOMETRICS

This course introduces the basic tools with the aid of data for decision making in finance. It covers introductory probability, decision analysis, basic statistics, regression, simulation, linear and nonlinear optimization, and discrete optimization. Computer Programming exercises, cases, and examples, deliver in SAS® (by the SAS Institute Inc.) are drawn from asset pricing, market

microstructure, derivatives, and other functions.

Pre-requisite: None

EBIS100 INTRODUCTION TO COMPUTING

This course aims to train students to become competent users of the computer and the Internet with knowledge in the basic components of the computer and how it works in a business environment. It introduces students to common business application software, data management, computer networking, electronic commerce, as well as basic development tools and techniques.

Pre-requisite: None

EBIS101 INTRODUCTION TO COMPUTING AND PROGRAMMING

The objective of this course is to enable students to become competent users of computers and information systems. The course introduces students to fundamental knowledge and concepts about computing and programming, as well as the application of technology in the service industry. It covers topics on computer hardware, software, storage, networking, Internet, and programming. Basic programming is taught using a high-level language such as SAS.

Pre-requisite: None

EBIS200 INFORMATION SYSTEMS AND ORGANIZATIONS

This is an introductory course for students to develop a broad-based understanding of Information Systems (IS) from a business and management perspective. Topics to be covered include: the technological foundations of IS; tools that help managers make better decisions such as Decision Support Systems, Executive Support Systems, and Knowledge Management Systems; approaches for building an IS; ethical and societal issues related to the use of IS.

Pre-requisite: EBIS112 Contemporary Information Systems for Organizations

EBIS300 BASIC BUSINESS PROGRAMMING

BBA students are not taught programming in the first year of the programme. This course provides an introduction on business programming. Depending on the computer language chosen, the course will teach the syntax and its accompanying features. The aim is to develop skills to do simple business programming.

Pre-requisite: None

EBIS301 BUSINESS APPLICATION PROGRAMMING

The course covers in greater detail about business programming. Topics covered include data structures, information representation, storage, search and sorting algorithms. Upon completion of the course, students should know how to design, code and debug simple and efficient business applications.

Pre-requisite: EBIS300 Basic Business Programming

EBIS302 DESIGNING IT SOLUTIONS

This course involves students understanding and analyzing problems, and then developing feasible IT solutions. It covers structured (traditional) analysis and design, as well the latest approaches to develop IT solutions. This is a required course in all Business IS major programmes.

Pre-requisite: None

EBIS303 BUSINESS DATA MANAGEMENT

In this course, students not only get to learn the concepts and principles of database systems, they also learn how businesses use data to gain competitive advantage. Particular emphasis is given to web application databases, which are the foundation for electronic business.

Pre-requisite: None

EBIS304 COMPUTER NETWORKING FOR BUSINESS

This course covers topics on network applications, network administration, telecommunications

and issues related to computer networking for business. Students will also have the opportunity to have a hands-on approach to build a computer network. As computer networks are essential in modern business transactions, this course is required for all EB majors.

Pre-requisite: None

EBIS305 E-COMMERCE AND THE DIGITAL FIRM

This course provides an introduction to E-commerce. It covers areas related to the transformation of a traditional firm to a digital firm and includes aspects about strategy, business models, technology, public policy, capital and media. Special attention is given to E-Commerce practices in China.

Pre-requisite: None

EBIS306 WEB SITE DESIGN AND INTERNET BUSINESS APPLICATIONS

This course provides students with the knowledge and skills needed to build and design web applications. Students will be exposed to best practices for analyzing, designing, developing, testing, and deploying web applications. Students will also be taught the skills required for developing seamless and integrated service for businesses in the internet.

Pre-requisite: EBIS300 Basic Business Programming

EBIS307 IT AND ENTREPRENEURSHIP

The aim of this course is to develop students' skill to start and operate a business with the help of technology. A part of this course includes making use of the web to create a business to compete against established incumbents. Students are required to write a business proposal that could be presented to potential investors and venture capitalists.

Pre-requisite: None

EBIS308 SECURITY, CONTROL AND AUDIT FOR E-BUSINESS

The aim of this subject is to provide students with the knowledge and skills necessary to identify security problems that may arise in an electronic business environment. The course includes exploring how technologies may be used to prevent or resolve security problems.

Pre-requisite: None

EBIS309 BUSINESS PROCESS WORKFLOW AND ANALYSIS

This course provides students with knowledge of design, implementation, and management of workflow applications in e-commerce. Topics include workflow technologies, workflow systems, business processes that transform intra- and inter-company relationship in E-commerce.

Pre-requisite: None

EBIS310 IT FOR LOGISTICS AND SUPPLY CHAIN MANAGEMENT

This course relates IT to logistics and supply chain management (SCM). Topics include material and resource requirement planning, scheduling and managing the entire flow of information, materials, and services from raw-materials suppliers through factories and warehouses to the end customers.

Pre-requisite: None

EBIS311 DEVELOPING A BUSINESS INFORMATION SYSTEM

In this course, students are required to implement a small MIS. This is a modification of the existing course on Information Systems Project which spans two semesters and involves students performing systems analysis, design and implementation. The proposed course is compressed to one semester, focusing mostly on implementation of small systems for businesses.

Pre-requisite: EBIS302 Designing IT Solutions AND EBIS303 Business Data Management AND EBIS306 Web Site Design and Internet Business Applications

EBIS312 MANAGING IT PROJECTS

This course introduces the theoretical foundation of software engineering and helps to equip

students with knowledge on how to manage a large-scale programming project.

Pre-requisite: None

EBIS313 CONTEMPORARY ISSUES IN E-BUSINESS AND INFORMATION SYSTEM

This course discusses emerging topics related to information systems management, development and information technology. Topics may vary from time to time.

Pre-requisite: None

EBIS314 BUSINESS MODELING AND SIMULATION

The purpose of the course is to provide an understanding of the principles of simulation methods and their application to a variety of common management decision problems. On successful completion of the subject student will understand the principles of simulation techniques, appreciate the advantages and disadvantages of simulation methods, and be able to recognize business problem types that can or must be approached using simulation. On successful completion of this subject, students should have the capacity to analyze and validate simple simulations and be able to apply simulation methods to a variety of business problems using standard computer packages.

Pre-requisite: FINC213 Statistics for Finance OR QMDS200 Statistics and Data Analysis OR QMDS202 Data Analysis and Modelling

EBIS315 E-BUSINESS AND GLOBAL BUSINESS ENVIRONMENT

This course provides an introduction to E-Business and the global business environment. It covers areas related to the transformation of a traditional firm to a digital firm and includes aspects about strategy, global business models, technology, public policy, capital and media. Students will also learn what a company needs adapt in the global business environment and the key global environmental factors and issues impacting on the development of international business.

Pre-requisite: EBIS100 Introduction to Computing AND MGMT110 Principles of Business Management

EBIS316 PROBLEM-SOLVING CASES USING BUSINESS SOFTWARE

This problem-solving-oriented course will help students grasp the skills needed for analyzing concrete business information and working out valuable results using practical business software Microsoft Access, Excel, SAS Enterprise Miner (EM), etc. With cases in different business applications including investment analysis, scheduling, loan interest analysis, knowledge discovery for business decision support, etc, students can build a practical knowledge of the capabilities of Excel, Access, and EM. More importantly, students will learn how to map real business problems into data process/analysis tasks. The case studies introduce problems that are likely to face today's business professionals and allow readers to apply the skills gained from the tutorials to solve them.

Pre-requisite: None

EBIS317 ADVANCED COMPUTER PROGRAMMING

This is an advanced course in software development using the programming language C++ or Java. Students are to study algorithms design of programmes with a background of data and file structures and some advanced features of the objective-oriented programming language. At completion of this course, students should be able to use the tools and techniques introduced to develop well-structured and fully documented programmes to solve business problems of various types.

Pre-requisite: EBIS318 Computer Programming using C++

EBIS318 COMPUTER PROGRAMMING USING C++

This course provides an introduction on business programming. It covers basic concepts of structured programming and programming languages, techniques of programme structure and algorithm design, the data/object types, the control structures, the functions and libraries, arrays and input/output and friendly user interface. One core issue of the course is to emphasize on the

problem-solving skills and the structured programming techniques through some business examples, especially some finance examples. Upon completion of this course, students are expected to have sufficient knowledge and skills to define cost effective algorithms for both business and system applications.

Pre-requisite: None

EBIS400 DECISION SUPPORT AND ANALYSIS

This course is about using computers, internet, decision support systems and related technologies in helping managers in decision making. Topics include decision support systems, modelling and analysis techniques, gathering and tracking information from the web, and data mining.

Pre-requisite: QMDS100 Business Mathematics

EBIS402 E-BUSINESS PROJECT MANAGEMENT

This course covers the principles, process, purpose and strategies of project management for an e-business. Students learn the roles and responsibilities of participants on a typical project management team, and learn how to manage clients, resources, budget, scheduling etc and control quality, from project conception and planning to project implementation and evaluation. The collaboration of technology and business experts is emphasized throughout the project management process.

Pre-requisite: EBIS100 Introduction to Computing AND MGMT110 Principles of Business Management

EBIS710 BUSINESS TECHNOLOGY MANAGEMENT

This course introduces the application of business process and technology management in the workplace and equips students with the required knowledge and skills. Topics include concepts of the information systems (IS) and its strategy in the net-mediated and global economy, the elements of a business process, business process changes with IT, the establishment of process standards and tools, implementation issues, strategic technology management and emerging industries, benchmarking, knowledge management, as well as new business paradigms and models.

Pre-requisite: QMDS701 Statistics

EBIS711 MANAGEMENT INFORMATION SYSTEMS

In a net-centric and global economy, information technologies (IT) are now key drivers of business. This technology plays important roles in organizations at both operational and strategic levels. Current examples of IT applications to be appreciated through this course include ERP (enterprise resource planning) systems and SCM (supply chain management) systems at operational level; CRM (customer relationship management) systems and KM (knowledge management) systems at the strategic level. These systems are widely used in manufacturing and service firms, where they are providing new sources of revenue and opportunities to dramatically improve the firm's performance. It is therefore critical for managers to have basic IT knowledge to manage daily operations efficiently and to gain competitive advantages. This course will equip students with the required knowledge and skills. Topics covered include concepts of information systems (IS), IS strategy in the net-mediated and global economy, organizational transformation with IT, business process changes with IT, management and control of IS, IS investment decisions, and various IS components such as computer systems, databases and networks.

Pre-requisite: None

FINC210 FINANCIAL MANAGEMENT

This course introduces the basic principles of financial management. It provides students with a scientific framework for evaluating assets and investment opportunities. The course is divided into three main parts. The first part discusses about the institutional settings and the relationship among different players in the financial market. The second part focuses on the capital budgeting decision. Here, different types of investment evaluation techniques will be discussed

and compared. As for the third part, the key variable of capital budgeting – the cost of capital will be given.

Pre-requisite: ACCT100 Principles of Financial Accounting

FINC211 ADVANCED FINANCIAL MANAGEMENT

This course provides students with a working ability to make financing decisions. It begins with the discussion on dividend and debt policy and how they affect a firm's value. Then, financial statement analysis and financial planning will be presented. Given the importance of the latter, both long-term and short-term planning will be discussed in greater details. While short-term planning concerns with a firm's ability to pay its bills, working capital management focuses on the credit policy, inventory and cash management of a company. Finally, special topics including mergers and acquisitions, international financial management and options will be discussed.

Pre-requisite: FINC210 Financial Management

FINC213 STATISTICS FOR FINANCE

This course introduces statistic analysis tools to be used as a basis for developing finance theory. Various statistics models widely used in the financial industry for will be presented. Topics include probabilistic background, point and interval estimation, sample spaces, random variables, independence, discrete and continuous distributions, expectation, correlation, moment generating function, distributions of function of random variables, law of large numbers and limit theorems, sampling theory, order statistics, limiting distributions, point estimation, confidence intervals, hypothesis testing, non-parametric methods, data analysis and implementation of statistical tools in a statistical computational package.

Pre-requisite: QMDS100 Business Mathematics

FINC302 DERIVATIVE SECURITIES

This course is designed for senior undergraduate students to understand and price the basic derivative instruments, with major emphasis on options and futures. The course will start by introducing basic operations of these markets. Students will then apply the knowledge of mathematics of finance to the pricing of derivatives such as options, futures, and swaps. Discussions will then be extended to concepts of risk management such as Value at Risk and the Greeks of derivatives. General topics covered are pricing models, investment strategies and risk management involving the derivatives.

Pre-requisite: FINC210 Financial Management

FINC341 THEORY OF FINANCE

The course aims to provide students with solid theoretical frameworks in asset pricing, corporate finance and other areas in finance. The course will equip students with both conceptual and analytical skills necessary to advance to more specialized courses. For asset pricing, concepts of risk and return are analyzed in the context of formal pricing models such as the Capital Asset Pricing Model and the Arbitrage Pricing Theory. Aspects of efficient market theory and anomalies are considered. For corporate finance, business decisions such as capital budgeting, financing, and corporate restructurings will be covered in depth.

Pre-requisite: FINC210 Financial Management

FINC343 FINANCIAL MARKETS AND INSTITUTIONS

This course covers topics in the operations, structures and functions of financial markets and institutions. Although main discussion of these topics is based on the U.S. financial framework, whenever possible an international dimension is introduced. In order to offer a more practical understanding of these markets and institutions, general principles and fundamental concepts in asset pricing are also presented. Upon completion of the course, student will have developed a comprehensive understanding of the fundaments of various financial markets such as the Money Markets; Bond Market, Stock Market and Foreign Exchange Market. At the same time this course provides students with essential knowledge of the financial institutions industry by introducing topics in Commercial Banks; Mutual Funds; Pension Funds; Investment Banks; Insurance Companies and Venture Capital Firms.

Pre-requisite: FINC210 Financial Management

FINC344 PORTFOLIO MANAGEMENT

This course focuses on the design and management of investment portfolios that meet the targeted investor's objectives. Both passive and active strategies are examined together with an in-depth review of pricing efficiency in securities markets and the implications for portfolio managers. Additional topics include strategies for managing security analysis and stock valuation, international diversification, and portfolio performance evaluation. The aim of this course is to help students:

- To develop an understanding of the basic principal of capital market theories.
- To develop an understanding of the nature and function of derivative instruments.
- To develop an ability to understand the linkage between the capital market theories and investment strategies.
- To develop an ability to apply the capital market theories and investment strategies in planning and administering investment portfolios.

Pre-requisite: FINC210 Financial Management

FINC401 INTERNATIONAL FINANCE

The objective of the course is to provide a conceptual framework within which the key financial decisions of multinational company can be analyzed. It builds on and extends the principles provided by domestic corporate finance. In addition to the traditional areas of financial management, other decision elements that are peculiar to multinational firm will be discussed. These elements include multiple currencies with frequent exchange rate changes, multiple money markets, economic exposure measurement and management, segmented capital markets, and country risk.

Pre-requisite: FINC211 Advanced Financial Management

FINC421 CASE STUDIES IN CORPORATE FINANCE

This is a case-method course in Corporate Finance. Students will learn to make investment and financing decisions in the financial manager perspective and focus on maximizing shareholders' value. This course provides an in-depth study of financial decision making and the process of value creation.

The course objectives are:

- To develop practical knowledge by applying corporate finance theory in setup of cases.
- To widen perspective through analyzing real-life monumental corporate finance cases.
- To learn effective usage of spreadsheet programmes in compiling data, generate statistical results, and produce concise reports.
- To develop essential skills to construct case study reports and to deliver effective presentations.

Pre-requisite: FINC211 Advanced Financial Management

FINC422 FINANCIAL MANAGEMENT SIMULATION

This is a capstone course in financial management. It is intended to provide an opportunity for students to demonstrate their understanding of the principles of financial management as well as accounting, economics, marketing and production management. The primary focus of the course is on a sophisticated online simulation programme FinGame Online: The Financial Management Decision Game. This interactive tool would enhance students' experiences in applying financial theories.

The course objectives are:

- To develop techniques to link financial theories with practices.
- To apply principles of financial management through active management of simulated companies.
- To understand and appreciate the interrelationships among various types of financial decisions as well as between finance, production and marketing decisions
- To experience the excitement and challenges of managing a simulated company.

Pre-requisite: FINC211 Advanced Financial Management

FINC423 RISK AND INSURANCE

This course provides an overview of the principles of risk management and insurance. The focus is on the management of risks by businesses and organizations. However, personal risks are also discussed. Topics on insurance covers the operation of insurance markets, insurance pricing, insurance regulations, insurance products, legal principles of insurance. An introduction of insurance industry in Macao and Hong Kong is covered.

In order to minimize the overlap with other finance courses, this course will not cover derivative instruments and there will be minimal coverage of exchange rate risk and interest rate risk.

Objectives:

- Provide students a conceptual framework for making risk management and insurance decisions to increase business value.
- Acquaint students with the essential details of insurance markets and insurance products.
- Enhance students' ability to apply risk management tools and techniques to solve risk management problems.

Pre-requisite: FINC211 Advanced Financial Management

FINC426 MERGERS AND ACQUISITIONS

This course examines various aspects of mergers and acquisitions (M&A) and corporate restructurings. It surveys the drivers of success and failure in the transactions. Issues regarding motive and strategy will be discussed, with economic implications the main focus of discussions. Students will also apply necessary skills and tools to evaluate and form an opinion about a proposed transaction, from both the acquirer's and the target's points of view. The course will be demanding and assume ability to understand financial statements, as well as familiarity with valuation analysis.

Pre-requisite: FINC211 Advanced Financial Management

FINC427 FIXED INCOME SECURITIES

This course provides an overview of the techniques available for valuing riskless and risky fixed income securities and their derivatives. Topics include fixed income mathematics, term structure models and price sensitivity measures, securitization and fixed income portfolio management.

Pre-requisite: FINC210 Financial Management

FINC428 REAL ESTATE INVESTMENT AND FINANCING

This course aims at enhancing knowledge on real estate investment and financing. Topics on real estate investments include investment and risk analysis, income property valuation and alternative real estate investment vehicles, such as real estate investment trust (REIT) and mortgage-backed securities. Topics on real estate finance include an introduction of secondary mortgage markets, residential mortgage analysis (including Mortgage Pricing, Underwriting, Prepayments and Refinancing) and different types of home mortgage tools. An overview of the Macao Real Estate Markets, with particular emphasis on its development, property rights, transaction costs and transaction procedure, is discussed. It will also review some interesting and up-to-date issues that are concerned with real estate markets across the globe.

Pre-requisite: FINC211 Advanced Financial Management

FINC429 BEHAVIORAL FINANCE

This course examines the economic behavior of individuals that underlies the aggregate market behavior more commonly emphasized in finance courses. It employs cognitive psychology decision theory to study how investors' interpret and act upon information. Experimental methods will be developed and students will conduct studies of individual financial decision-making behavior.

Pre-requisite: FINC210 Financial Management

FINC431 INTERNATIONAL FINANCE AND GLOBAL ISSUES

The objective of the course is to provide a conceptual framework within which the key financial decisions and multinational company can be analyzed. Topics include exchange rates and

currency markets, international money markets, international capital markets, economic exposure measurement and management, country risk, and other global issues.

Pre-requisite: FINC210 Financial Management

FINC432 FINANCIAL MODELING

This hands-on courses focus on how to use Microsoft Excel to implement the various financial models taught in the finance programme. Topics include financial statement analysis, leasing, efficient frontier estimation, beta estimation, bond pricing and duration, option pricing, Monte Carlo simulation, Risk models such as Value at Risk (VaR). Students will also learn how to use Macro and VBA in the course.

Pre-requisites: FINC302 Derivative Securities AND FINC344 Portfolio Management

FINC433 BANK MANAGEMENT

This course focuses on the advanced techniques of commercial bank management. Topics include bank performance analysis, asset/liability management techniques, investments and liquidity management, deposits and liability management, business lending, consumer lending, loan pricing, bank regulation and capital adequacy requirements.

Pre-requisite: FINC210 Financial Management

FINC434 APPLIED FINANCIAL PROJECT

This is a capstone course for the 4th year BSc in Finance students. Students will work in groups on a topic of their choice, under the supervision of academic staff members in the department. The nature of the project can be theoretical, empirical or case studies on applied financial problems. The goal is to provide students with opportunities to develop independent thinking and problem solving skills to academic or practical financial problems.

Pre-requisite: BECO210 Econometrics I AND FINC211 Advanced Financial Management AND FINC344 Portfolio Management.

FINC435 FINANCIAL RISK MANAGEMENT

This course will focus on the identification, quantification and management of market risk, credit risk and operational risk of financial institutions. Besides covering Value at Risk (VaR) models, the course also deals with issues such as financial regulation and capital adequacy including Basel II. Topics include volatility models, value at risk for stocks, currencies, bonds and derivatives such as futures, forwards, swaps and options; expected and unexpected loss due to credit risks, operational risk measures.

Pre-requisite: FINC302 Derivative Securities AND FINC344 Portfolio Management

FINC436 ADVANCED FINANCIAL MATHEMATICS

This course aims to introduce important ideas in theory of probability and differential equations, and their applications to mathematical finance. Topics include: Finite Probability Spaces, Continuous probability theory, the Laplace transform, the Fourier transform, the diffusion equation, measure and integration, Brownian motion, Ito's Lemma, derivation of the Black-Scholes equation.

Pre-requisite: QMDS304 Advanced Calculus

FINC437 EXOTIC OPTIONS AND STRUCTURED PRODUCTS

The first part of the course deals with non-standard options such as Asian options, asset or nothing options, binary options, barrier options, quantoes, cliquets, shout options, compound options, rainbow options. The 2nd part of the course deals with how to combine various derivatives with stocks and bonds to create structured products in order to meet the changing needs of customers.

Pre-requisite: FINC302 Derivative Securities

FINC710 CORPORATE FINANCE

This course offers students a more advanced understanding of important concepts in the field of corporate finance. It covers basic topics including capital budgeting, alternative valuation

methods, capital structure decisions, corporate payout policy, securities offering decisions, as well as more advanced topics (optional) such as corporate governance, mergers and acquisitions, and corporate risk management. The objective of this course is to provide students with essential tools to study more advanced courses in finance.

Pre-requisite: ACCT716 Principles of Accounting

FINC711 MANAGERIAL FINANCE

This course introduces the principles and practices of financial management. It describes financial decision making processes for firms where the desired outcome is the creation of wealth for shareholders. The first objective is to develop an appreciation for the relevance of financial theory and its empirical validation. The second objective is to provide a set of opportunities to productively link theory with practice. The third and last objective is to let the students understand the process of value creation and the principles of “value based” management. Topics in this course include the time value of money, financial analysis and planning, cost of capital, capital budgeting, capital structure, working capital management, long-term financing decisions, dividends policy, mergers and acquisitions and the international dimensions of finance.

Pre-requisite: BECO702 Economics

FINC712 FINANCIAL MANAGEMENT

This course offers students a more advanced understanding of important concepts and theories in the field of corporate finance. It covers basic topics including capital budgeting, alternative valuation methods, capital structure decisions, corporate payout policy, securities offering decisions, as well as more advanced topics (optional) such as options, futures, and corporate risk management. The objective of this course is to provide students with essential tools to study more advanced courses in finance.

Pre-requisite: BECO702 Economics

FINC713 MANAGERIAL FINANCE IN INTEGRATED RESORTS

This course introduces the principles and practices of financial management. It describes financial decision making processes for firms where the desired outcome is the creation of wealth for shareholders. The first objective is to develop an appreciation for the relevance of financial theory and its empirical validation. The second objective is to provide a set of opportunities to productively link theory with practice. The third and last objective is to let the students understand the process of value creation and the principles of “value based” management. Topics in this course include the time value of money, financial analysis and planning, cost of capital, capital budgeting, capital structure, working capital management, long-term financing decisions, dividends policy, mergers and acquisitions and the international dimensions of finance especially in the integrated resorts and hospitality industry. Research and analytical skills will also be emphasized within the module.

Pre-requisite: None

FINC722 FIXED INCOME SECURITIES

This course studies fixed income securities and related derivatives. The course focuses on analytical techniques and application of models, rather than market details. A range of topics will be covered, which includes pricing of fixed-income securities, credit rating, term structure models, duration analysis and convexity. Practical techniques and derivatives would also be discussed such as yield curve trading strategies and immunization techniques, fixed income securities with embedded options, and derivatives with fixed income underlying securities.

Pre-requisite: FINC710 Corporate Finance

FINC723 INTERNATIONAL FINANCE

The objective of the course is to provide the conceptual frameworks with which to analyze the principal financial decisions of the multinational company. Traditional areas of financial management and other decision elements peculiar to multinational firm will be discussed. Topics in this course therefore include currency exchange rate changes, varying rates of

inflation, evolution of the International Monetary System, multiple money markets, segmented capital markets, international parity relationships, the foreign exchange market, currency features and options market, swap and interest rate derivative, foreign exchange exposure and management, financial management of the multinational firms and country risk.

Pre-requisite: FINC710 Corporate Finance/FINC711 Managerial Finance

FINC724 INVESTMENTS AND PORTFOLIO MANAGEMENT

This course focuses on designing and managing investment portfolios for investors. It introduces students to investment media and techniques. It analyzes capital market theories, the pricing efficiency of security markets, investment strategies, and investment performance evaluation. Topics therefore include investor risk preferences, modern diversification theory, securities analysis, asset pricing models derivative instruments (models and real world behavior), investment strategies. Investment strategies include both the passive and active strategies, technical trading strategies and trading strategies arose from market anomalies.

Pre-requisite: FINC710 Corporate Finance/FINC711 Managerial Finance

FINC727 DERIVATIVES

Modern financial decisions are made in short period of time, therefore efficient modeling is essential to excel in financial markets. This course learns about advanced derivative pricing models. Content are based on practical models and modeling techniques, and understanding their applicability and limitations, and then build an integrated model for application. Student will learn how to decide what stochastic factors should be incorporated in an appropriate pricing model for a derivative, how to price derivatives and define hedging strategies, and able to integrate the selected factors and formulate a consistent model.

Pre-requisite: FINC710 Corporate Finance

FINC726 COMMERCIAL BANK MANAGEMENT

This course is structured around the microeconomic problems of financial management of banking firms. It focuses on decision making and offers a unique approach to understanding commercial bank management. Topics to be covered include banking trends and competition, performance analysis, liquidity planning, interest rate risk management, credit risk analysis, cost of funds, and capital management. Both domestic and international banking activities will be examined. The objective of this course is to provide the student with the conceptual framework necessary to analyze and comprehend the current problems confronting managers of commercial.

Pre-requisite: FINC710 Corporate Finance/FINC711 Managerial Finance

FINC733 MATHEMATICAL TECHNIQUES IN FINANCE

This course covers the standard mathematical techniques of calculus, algebra in models of financial economics. Topics include linear spaces, matrix algebra, real analysis and Markov chains. In addition, the class will go over some stochastic calculus in continuous time mathematics such as Brownian motion, Ito process and Feynman-Kac equation as well as application in dynamic asset pricing.

Pre-requisite: None

FINC735 FINANCIAL RISK MANAGEMENT

This course focuses on risk management techniques in multinational corporations and credit risk management. A strand of risk management topics would be covered such as foreign exchange, money market instruments, derivative products, risk exposure of corporations, measurement of exposure, and risk management in financial institutions. The credit risk will discuss various economic and financial factors that affect credit quality of corporations, evaluating corporation's debt servicing ability and their likelihood of default. Topics covered will include business and financial risk analysis, debt covenants, security structures, credit scoring and credit rating models.

Pre-requisite: FINC710 Corporate Finance

FINC736 FINANCIAL MODELLING

The course provides students with a hands-on experience in building some of the most popular models in corporate finance, portfolio analysis, bond pricing, option pricing and risk management. Topics include financial statement modeling, leasing, valuation, optimization and calculating efficient frontier, value at risk, option pricing, bond pricing, duration and immunization. Popular programming tools such as VBA may be used.

Pre-requisite: FINC710 Corporate Finance

FINC741 ADVANCED TOPICS IN FINANCE

This course covers advanced topics in finance that may arise due to the advances in the areas of corporate finance, investment and banking. The topics will be timely and may arise through emerging theory, new model or empirical research in the finance world.

Pre-requisite: FINC751 Theory of Finance

FINC751 THEORY OF FINANCE

The course aims to provide students with solid theoretical frameworks in asset pricing, corporate finance, and other fields of finance. For asset pricing, the concepts of risk and return, and state prices will be introduced as a stepping stone towards the discussions of more advanced topics including the Capital Asset Pricing Model (CAPM), the Arbitrage Pricing Theory (APT), and other more recent asset pricing models. For corporate finance, agency problems are analyzed in capital investments, securities offerings, and capital structure decisions. Other topics in finance such as banking and option pricing may also be covered on an optional basis. Besides the theoretical frameworks, recent developments in empirical asset pricing and empirical corporate finance will also be covered with an extensive use of academic research papers.

Pre-requisite: ACCT716 Principles of Accounting

FINC753 RESEARCH METHODS

The objective of this course is to equip the students with necessary research methods to understand and write good reports and theses. This course focuses mainly on utilizing econometrics quantitative research methods in doing financial research. We will introduce and discuss research concepts and format in the course. Journal papers will also be discussed so as to exposure students to research topics which are common in the areas. If possible, guest speakers will also be brought in to broaden the scope of research topics. With the discussion of research format, methodologies and topics, this course aims at developing students with critical thinking skills that enable them to efficiently identify, comprehend, and research financial problems. Students will complete this course with a research proposal, which will serve as the guideline for conducting their master theses.

Pre-requisite: BECO710 Statistics and Financial Econometrics

FINC805 ADVANCED TOPICS IN FINANCE AND BUSINESS ECONOMICS

The course is designed to introduce important topics in finance and economics with both theoretical and empirical focus. Students will be provided with solid financial theoretical frameworks in four areas: corporate finance, asset pricing, derivatives, and behavioral finance. Recent developments in empirical studies in the four finance areas will be discussed intensively through lectures and journal paper discussions. Students will receive necessary training in microeconomics, macroeconomics, and econometrics at advanced levels. The topics to be presented include export taxation, secured loans, financial crises, global imbalances, financial opening, income inequality, housing bubbles, exchange rates, capital controls, tourism development etc.

Pre-requisite: None

FINC811 RESEARCH METHODS IN FINANCE AND BUSINESS ECONOMICS

The seminar course provides an overview of various theoretical perspectives that define the landscape of strategy research. Upon the completion of this course, students will be able to develop a pluralistic understanding about the conceptual development of strategy field and identify new directions and further areas of research. Major strands of theories to be discussed

include industry-based view, institution theory, resource-based view, knowledge-based view and strategy process perspective.

Pre-requisite: None

GAHM200 INTRODUCTION TO GAMING MANAGEMENT

This course is aiming to provide students with an overview of the composition and attributes of the gaming industry. Both demand-side and supply-side issues are to be tackled. In addition, public policy and managerial issues associated with the practice of the gaming industry are discussed with reference to the general and unique features of various societies. To enhance students understanding of the characteristics of gambling products, common forms of games offered by the casino and non-casino sectors are introduced respectively. Lastly, the evolving and accelerating role of technology in the gaming industry, hence related managerial issues are reviewed. After completing this course, students are expected to possess the basic knowledge to pursue their junior and senior studies in other gaming-related subjects.

Pre-requisite: MGMT110 Principles of Business Management

GAHM201 INTRODUCTION TO HOSPITALITY MANAGEMENT

The objective of this course is to acquaint students with the basic structure and organization of hospitality as a single service, as well as a conglomerate of multiple services. Topics to be covered include the world history and the recent progress of the hospitality industry, principles of restaurant operations and food services, hotel and lodging operations, transportation, etc. In addition, principles of planning, organizing, staffing, controlling, leadership and hospitality management will be discussed. After completing this course, students will possess a solid foundation to further their studies in particular subjects of hospitality management.

Pre-requisite: MGMT110 Principles of Business Management

GAHM202 PSYCHOLOGY OF GAMBLING

This course focuses on the application of psychological knowledge to gambling behaviors. Topics include motivations, decision-making strategies, cognitive heuristics and biases, group and social influences, and pathological addictive gambling behaviors.

Pre-requisite: PSYC101 Introduction to Psychology

GAHM300 SOCIAL AND ECONOMIC IMPACTS OF GAMBLING

This course deals with the variety of issues surrounding gambling and commercial gaming in the area of public policy, social and economic impacts. Emphasis will be placed on the costs and benefits analysis of gambling in different domains: individual, household, community as well as macro economy. Special attention will be given to the relationship between gambling, political corruption, neighborhood crime and organized crime.

Pre-requisite: GAHM200 Introduction to Gaming Management

GAHM303 QUALITY SERVICE MANAGEMENT

Quality service has been seen as a key marketing tool, playing an increasing role in contributing to customer experiences, determining their current satisfaction level and the possibility of repeated visits. This course focuses on the service management within the gaming and entertaining businesses. It aims to raise students' awareness of the importance of quality services to the industry success and addresses issues concerning managing, designing and delivering quality service systems. The role of the customer in service delivery and how this impacts on the operation of a successful service in the industry are also explored.

Pre-requisite: MGMT110 Principles of Business Management

GAHM305 CONVENTION AND EXHIBITION MANAGEMENT

This course provides the student an opportunity to explore the function of conventions and exhibitions from the point of view of the convention and exhibition center manager. Consideration is given to various methods used to sell a location to a planner and the servicing of large groups. It will also provide students with an overview of the MICE industry. It examines the physical requirements, marketing, management and operation of convention and exhibition

facilities. Emphasis is also placed on the planning and organization of conventions, meetings and exhibition.

Pre-requisite: GAHM201 Introduction to Hospitality Management

GAHM306 CASINO MANAGEMENT

This course gives students an advanced introduction to the casino environment. At the end of this course, students are expected to demonstrate a strong working knowledge of casino operations and the interrelationship of the casino with other major departments (lodging, food, beverage, entertainment, etc.). Casino Management is also designed to introduce students to the development of gaming, the internal and external casino environment, marketing strategies, and the social, cultural and economic issues of gaming. A central focus will be on current trends as well as the primary management and financial elements unique to operating a casino. In addition, the course will also cover such topics as game protection/cheating and scams which would include advanced blackjack, basic strategy/card counting, internal theft, cheating at blackjack, craps, and other table and non-table games.

Pre-requisite: GAHM200 Introduction to Gaming Management

GAHM307 THE MACAO GAMING AND HOSPITALITY INDUSTRIES

This course familiarizes students with the particular situation, structure and performance of Macao's gaming and hospitality industries. Social and economic significance of casino gaming in the Macao economy will be emphasized. To accomplish this objective, the historical and cultural settings, institutions and institutional changes of the casino industry will be examined extensively. In addition, contemporary issues associated with the liberalization and future development of the casino industry will be explored. Moreover, progress and composition of Macao's hospitality industry, as well as its interrelationship with development of the casino industry will be discussed. Upon completion of this course, students are expected to possess the basic knowledge from the case of Macao to pursue related studies in the area of gaming and hospitality management.

Pre-requisite: BECO100 Principles of Microeconomics AND BECO101 Principles of Macroeconomics

GAHM308 FESTIVAL AND EVENT MANAGEMENT

Festivals and events are seen as unique attractions and image-markers for many tourism destinations, and are playing an increasing role in attracting and retaining customers in the gaming and entertaining businesses. This course aims to enhance students' understanding of the roles and impacts of festivals and events on destinations, with particular reference to the gaming and entertaining industry; and equip them with the knowledge and skills in planning, managing, and marketing events, conventions and meetings, festivals and special events.

Pre-requisite: GAHM201 Introduction to Hospitality Management

GAHM310 GAMING TECHNOLOGY

This course introduces to students the important technologies used in modern gaming industry such as video gambling machines, Internet gaming, slot machines, etc. Topics covered include a brief history of gaming technology, the current technology of Casino systems and their components, gaming record keeping technology, and especially, the Internet based interactive gaming technology and systems.

Pre-requisite: GAHM200 Introduction to Gaming Management

GAHM311 INFORMATION TECHNOLOGY AND THE LEISURE INDUSTRIES

Technologies are increasingly used in the leisure industry to upgrade operations and to compete against competitors. Topics covered in this course relate to applications of technologies as well as usage of information systems in the leisure industries. The fundamental concepts of information and information systems are emphasized along with their implications for managerial decision making. The course is oriented to using technologies to support the management of entertainment, resort, convention, and hospitality businesses.

Pre-requisite: None

GAHM312 RESPONSIBLE GAMBLING

In modern casino gaming, responsible gambling management is an essential factor to minimize the industry's negative social impacts, hence ensuring its sustainable growth. This course is purposely designed to alert students the importance and insight of responsible gambling. Topics covered include the nature and world experiences of responsible gambling management, internal responsible gambling programmes for staff and customers, effective communication schemes between the industry and the general public, as well as the mutual projects between the industry and the government sector.

Pre-requisite: GAHM200 Introduction to Gaming Management

GAHM313 BUSINESS ETHICS IN THE GAMING INDUSTRY

This course surveys the basic foundations of business ethics and how those principles are applied to the gaming industry. Emphasis will be given on ethics in employment, operations, regulation, accounting, auditing and taxation of casinos and gaming operations. This course seeks the following objectives: (1) to understand the role of the gaming organization and its stakeholders in establishing the climate for ethical dilemmas; (2) to highlight the issues of managerial leadership and the role it plays in shaping behavior inside the gaming organization; (3) to explore the morals and values of the individual and how personal integrity affects the ambitions of managers and the responsibilities to those whom one manages; and (4) to develop a personal set of criteria that will aid in decision making for ethical issues, including considerations of morality, law, and "good judgment."

Pre-requisite: GAHM200 Introduction to Gaming Management

GAHM315 RETAIL MANAGEMENT FOR CASINO RESORTS

The objective of this course is let students familiarize the operations of small retail firms operating within a shopping complex – a shopping mall or a destination shopping venue located inside a casino resort. Topics cover include stock planning, inventory control, logistics, markup and pricing, design and layout, information system, human resources, etc.

Pre-requisite: MGMT110 Principles of Business Management AND MKTG220 Principles of Marketing

GAHM316 FACILITIES MANAGEMENT

Having good facilities and a sound management system are the prerequisite for any business success as they provide essential supports to business operations. This is no exception to the gaming, entertaining and hospitality businesses. This course provides an overview of the operation of facilities found in those sectors and explores the technical and managerial issues related to the operation and maintenance of the physical plant and equipment. Topics covered include the operating costs for various types of facilities, types and characteristics of major building systems, the responsibilities of the engineering-maintenance department as well as the managerial aspects of facilities renovations.

Pre-requisite: GAHM201 Introduction to Hospitality Management

GAHM317 CASINO FINANCE

This course focuses on the application of financial principles and analytical techniques to the gaming industry. Topics include "value creation" in managing casino assets and managing capital structures in the gaming industry. In addition, techniques of financial statement analysis appropriate for firms in the gaming industry will be identified and the performance of listed firms in the industry will be analyzed.

Pre-requisite: FINC210 Financial Management

GAHM318 SECURITY AND SURVEILLANCE MANAGEMENT

The objective of this course is to acquaint students with the principles and composition of security and surveillance in the service industries, with particular focus on the gaming and hospitality sectors. The importance and various functions of security and surveillance in coordinating, monitoring and backing up the business operations (e.g., internal control, legal compliance, games protection and asset protection, etc.) will be examined. In addition,

organization (including staffing and applications of technology) of security and surveillance with reference to various sizes and objectives of firms will be discussed.

Pre-requisite: GAHM200 Introduction to Gaming Management AND GAHM201 Introduction to Hospitality Management

GAHM319 FOOD AND BEVERAGE MANAGEMENT

Food and lodging are the basic components to any hospitality industry including the gaming and MICE sectors. This course covers the key principles and skills required in the effective management of food and lodging operations. It seeks to develop students' understanding and application of the main strategic, managerial and operational factors which characterize successful food and lodging operations within modern casinos and resort. Topics covered include menu planning, food purchasing, receiving, preparation, serving and marketing as well as the management of the core activities of the Rooms Division, i.e. Front Office and Housekeeping room management. Students will also learn the legal requirements and ethical obligations in the industry.

Pre-requisite: GAHM201 Introduction to Hospitality Management

GAHM320 SELECTED TOPICS IN HUMAN RESOURCE MANAGEMENT

This course provides an opportunity for students to explore contemporary and emerging human resource management issues faced by various industries. Special focus will be diverted to the related issues as presented in the gaming and hospitality sectors. Possible topics include, but not limited to, conflict management and team management, cross-cultural human resource management, incentive systems, management education and training. The content of this course will be kept flexible between semesters as to best answer interests of the instructors and the students. In principle, prior approval from the programme coordinator is needed for offering this course.

Pre-requisite: MGMT332 Human Resources Management

GAHM321 QUANTITATIVE TECHNIQUES FOR TOURISM AND HOSPITALITY MANAGEMENT

This course examines the application of selected quantitative techniques to hospitality and tourism situations. Topics include: Data Envelopment Analysis for benchmarking applications, multi-criteria decision making using Analytic Hierarchy Process, applications of fuzzy techniques and neural network models in tourism and hospitality. Related computer software will be introduced to familiarize students with the application of these quantitative techniques in tourism and hospitality management research. Additional topics that are of current interest will also be discussed.

Pre-requisite: QMDS300 Quantitative Decision Analysis

GAHM322 DATA ANALYSIS FOR TOURISM AND HOSPITALITY MANAGEMENT

Students will be introduced to a variety of advanced data analysis techniques used to aid decision-making in tourism and hospitality. Topics include: multivariate statistics, data mining, and time series forecasting. Related statistical software will be introduced to familiarize students with the application of these quantitative techniques in tourism and hospitality management research.

Pre-requisite: QMDS201 Probability and Statistics or QMDS202 Data Analysis and Modeling

GAHM323 GAMING LAW

This course studies the legal rules that apply to gaming in general and the gaming industry in particular: the commercial operation of casino games of chance (table games and slot machines). The study focuses on the law of the Macao SAR and has an interdisciplinary nature. The course covers: a general introduction; civil law matters; credit for casino gaming; and gaming concessions and sub-concessions, supervision and taxation, and powers of government intervention, from the perspective of administrative law. It also discusses gaming promoters (also known as junkets) and criminal law issues. Other forms of gaming (pari-mutuels, lotteries and sports betting in the Macao SAR) are briefly mentioned.

Pre-requisite: None

GAHM324 HOTEL AND RESORT MANAGEMENT

This course serves an introduction to the distinctive nature of hotel/resort operations through identifying the standard functions that interrelate to produce the whole hotel service. It will examine, in an integrated way, operational management concepts common to hotels and resort organizations, provision of service quality in hospitality business organizations. Emphasis will be placed on actual form, techniques and practices in actual hotel operations.

Pre-requisite: MGMT110 Principles of Business Management

GAHM325 HOSPITALITY AND TOURISM LAW

This course covers the administrative law regulation and the commercial law issues related to the hospitality and tourism industries. The course therefore has an interdisciplinary nature. A common theme underlying shall be the role of the regulators (MGTO and IACM) and the general purposes of achieving quality and a degree of consumer protection. The first part covers lodging: the classification and licensing of lodging establishments, the main operational requirements, as well as a number of related issues (data protection; legal issues related to crime and security; entry and stay travel requirements for the Macao SAR). From the commercial law perspective, the course discusses the lodging contract as regulated in the Macao Commercial Code. The second part covers the licensing and regulation of food, beverage and entertainment (restaurants, nightclubs, bars, saunas, massage parlours, health clubs and karaoke lounges). The third part covers the travel industry. The main focus shall be on travel agents (requirements to obtain a license; renewal and revocation of licenses; permanent obligations of travel agents; MGTO supervision), followed by tour guides, transferists, and car rental agencies. A number of travel related contracts (carriage of passengers, package tours and car rental) shall be discussed. Time allowing, other issues shall be mentioned: regulations on noise levels, fire safety and public health; declaration of tourism utility; labor law issues and import labor; and the supply contract.

Prerequisite: None

GAHM326 REVENUE MANAGEMENT

This unit of study introduces students to "Revenue Management" which is a demand based pricing system employed in the hospitality and tourism industry. The use of Revenue Management is seen as a critical change in the setting of price in the hospitality and tourism industry and, coupled with information technology, especially the internet, is having long term strategic impacts on the industry. This unit also explores the role and function of the "revenue manager" the key executive responsible for managing the pricing and supply policies in hotels and airlines within the hospitality and tourism industry.

Pre-requisite: GAHM201 Introduction to Hospitality Management

GAHM400 CASINO MARKETING

The course aims at giving students sufficient conceptual and theoretical as well as practical knowledge underpinning casino marketing in the context of the fast evolving sub-field of Services Marketing. Services in most developed economies like Macao, is the largest sector contributing to their respective GDP. Tourism and leisure activities (which include gaming and in particular casino) contributes a significant proportion of the value added in the services sub-sector. With projects and case analysis, the students are expected to become familiar with the marketing practices of firms in the industry both here and in the gaming entertainment centers in US, Europe, Australia and other places. The course will be delivered through lectures, case analysis and projects. Together the students are expected to gain an integrated knowledge of both theory and practice and impart in the students some capabilities for undertaking casino marketing planning, execution and evaluation.

Pre-requisite: GAHM200 Introduction to Gaming Management

GAHM401 STRATEGIC MANAGEMENT FOR THE GAMING AND HOSPITALITY INDUSTRIES

This course discusses how corporations should formulate and implement strategy in the gaming and hospitality business. Students will learn contemporary tools of strategic management,

include analyzing industry attractiveness, determination of competitive advantages and positions, etc. This course provides economic and marketing underpinnings of some of these tools so that students can conduct critical and independent analyses in the gaming and hospitality context. The design of this course is a mixture of strategic tools and case applications.

Pre-requisite: GAHM200 Introduction to Gaming Management AND GAHM201 Introduction to Hospitality Management

GAHM402 HOSPITALITY MARKETING AND PROMOTION

The course is designed to provide students with an understanding of the fundamental role of marketing in the hospitality sector. While revisiting basic marketing concepts learned in previous marketing courses, the course will illustrate the application of marketing knowledge onto the hospitality sector. Upon completion of the course, students should be able to analyze the hospitality environment, devise, execute and evaluate marketing plans with reference to the hospitality sector.

Pre-requisite: GAHM201 Introduction to Hospitality Management

GAHM417 GLOBAL ISSUES IN GAMING AND HOSPITALITY MANAGEMENT

This course provides an overview of development and proliferation of gaming and hospitality business in the U.S. and throughout the world over the past decade, as well as the management issues associated with the integration between these two sectors. Focus will be placed on the international aspects of gaming and hospitality development, interrelationship between these two industries, regional cooperation and competition in the tourist market, and public policies issues.

Pre-requisite: None

GAHM418 PROFESSIONAL DEVELOPMENT IN CONVENTION AND HOSPITALITY INDUSTRY

Students who choose to join the convention and hospitality industry need to have strong interpersonal skills, professional skills and social skills in interacting with guests and customers. Students will need to participate/organize different professional activities such as professional meetings, seminars, or conferences in order to strengthen their skills. The goal of this course is to provide a broad exposure to the realities of professional life in the convention and hospitality industry. The instructor will guide and assist students through their professionally-oriented learning experience. At the end of this course, students will be able to develop strong confidence in this professional.

Pre-Requisite: GAHM201 Introduction to Hospitality Management, and approval from Director of Hospitality and Gaming Management Programme

GAHM430 GAMING MANAGEMENT INTERNSHIP

This course is designed to provide a broad exposure to the operations of gaming industry and knowledge of the structure, goals and work procedures of the agency by participating in guided observations and activities. This work-study programme is limited to Year 3 or Year 4 students who are enrolled in the Gaming Management Stream. Students in the Internship are supervised directly by professionals in the Agency, who communicate directly with the University Instructor. While each learning experience will differ depending on the type of agency, situation, and duration. Instructor will guide and assist the students through their professionally-oriented learning experience. At the end of their internship, students are able to enter their chosen profession with confidence.

Pre-requisite: GAHM200 Introduction to Gaming Management, and approval from Director of Hospitality and Gaming Management Programme

GAHM431 GAMING MANAGEMENT PROJECT

This course is designed to familiarize students in conducting academic/business projects or research in relation to the contemporary management issues of the gaming industry. This

course is limited to Year-4 students who are enrolled in the Gaming Management Stream. Students are expected to productively take part in a cross-functional project team and conduct extensive studies on selected topics and provide suggestions as to get around the issues. Students will learn to effectively make use of project management techniques and tools as well as to integrate different functional skills in developing an academic/business project or research. Findings must be supported by appropriate quantitative and/or qualitative methods.

Pre-Requisite: GAHM200 Introduction to Gaming Management

GAHM432 CONVENTION AND HOSPITALITY MANAGEMENT INTERNSHIP

This course is designed to provide a broad exposure to the operations of hospitality industry (including the hotel and the MICE industries) and knowledge of the structure, goals and work procedures of the agency by participating in guided observations and activities. This work-study programme is limited to Year 3 or Year 4 students who are enrolled in the Convention and Hospitality Management Stream. Students in the Internship are supervised directly by professionals in the Agency, who communicate directly with the University Instructor. While each learning experience will differ depending on the type of agency, situation, and duration. Instructor will guide and assist the students through their professionally-oriented learning experience. At the end of their internship, students are able to enter their chosen profession with confidence.

Pre-requisite: GAHM201 Introduction to Hospitality Management, and approval from Instructor

GAHM433 CONVENTION AND HOSPITALITY MANAGEMENT PROJECT

This course is designed to familiarize students in conducting academic/business projects or research in relation to the contemporary management issues of the convention and hospitality industry. This course is limited to Year-4 students who are enrolled in the Convention and Hospitality Management Stream. Students are expected to productively take part in a cross-functional project team and conduct extensive studies on selected topics and provide suggestions as to get around the issues. Students will learn to effectively make use of project management techniques and tools as well as to integrate different functional skills in developing an academic/business project or research. Findings must be supported by appropriate quantitative and/or qualitative methods.

Pre-requisite: GAHM201 Introduction to Hospitality Management

GBMT300 GLOBAL BUSINESS ENVIRONMENT

This course introduces students to the dimensions and complexity of global business environment. Students will learn what modern business corporations need to adapt in the global business environment and develop individual sensitivity and competence in the global work context.

Pre-requisite: MGMT110 Principles of Business Management AND MKTG220 Principles of Marketing

GBMT301 INTRODUCTION TO GLOBAL BUSINESS MANAGEMENT

This is an introductory course to the management of multinational corporations. Through this course, students will analyse strategic and operational decisions faced by multinational corporations. Students will also learn how multinational corporations affect Asian and Chinese economies.

Pre-requisite: MGMT110 Principles of Business Management

GBMT302 INTERNATIONAL MANAGEMENT

This course is a study of international management issues with an aim to improve managerial effectiveness and organizational performance in a global environment. Several organizational and behavioral issues will be examined in an international context, which include ethics, management of international operations and control, motivation, leadership, communications and negotiation, and corporate culture. Theories of cross-cultural differences will also be discussed in depth.

Pre-requisite: GBMT301 Introduction to Global Business Management OR GBMT300 Global Business Environment OR EBIS315 E-Business and Global Business Environment OR BECO310 Global Economic Issues and Business Implications

GBMT303 COMPETITIVE ADVANTAGES

This course intends to provide a fundamental analysis on how firms can gain competitive advantage in single and multiple businesses. It draws on recent contribution to the analysis of competitive advantage by focusing on the need to identify, develop and exploit firm resources and capabilities, and exploring the industry dynamics to offer insight into the sources of success and guidance in the formulation of competitive strategies.

Pre-requisite: MGMT330 Strategic Management

GBMT400 GLOBAL STRATEGIC MANAGEMENT

The course takes a global perspective in the strategic management process and discusses how multinational corporations should formulate and implement strategy in various regions of the world. It covers contemporary tools of strategic management and their applications to multinational corporations.

Pre-requisite: MGMT330 Strategic Management

GBMT401 GLOBAL HUMAN RESOURCES MANAGEMENT

This course examines key problems and issues regarding management of global human resources. These include how recruitment, compensation, performance evaluation should be done for multinational corporations. Other topics include expatriate management and managing culturally diverse work teams.

Pre-requisite: MGMT221 Organizational Behavior

GBMT402 ASIAN BUSINESS

The course provides a comprehensive illustration of the nature and characteristics of management styles in major Asian countries, illustrating both the similarities and differences between them. Students will also analyze unique organizational arrangements in Asia, including chaebol in Korea, keiretsu in Japan, and family business in China. A clear conceptual framework which highlights the unique institutional and cultural settings of Asia will also be discussed.

Pre-requisite: GBMT301 Introduction to Global Business Management OR GBMT300 Global Business Environment OR EBIS315 E-Business and Global Business Environment OR BECO310 Global Economic Issues and Business Implications

GBMT403 CROSS-CULTURAL COMMUNICATION AND NEGOTIATION IN BUSINESS

This course provides a framework for identifying and analyzing diverse cultural approaches to interpersonal and business communication. It aims to enhance students' awareness of their own cultural biases, and to provide students with the skills to successfully and sensitively interact in different cultural settings. Students will be introduced to various negotiation strategies and will learn how to adapt such strategies to prevailing cultural contexts.

Pre-requisite: GBMT301 Introduction to Global Business Management OR GBMT300 Global Business Environment OR EBIS315 E-Business and Global Business Environment OR BECO310 Global Economic Issues and Business Implications

GBMT404 MANAGEMENT OF INTERNATIONAL TRADE

This course introduces students to theories and practice of international trade, and the managerial decisions to export and import. Students also study the process of trading activities, analyse the roles of economic agents involved in international trade, and examine related human resource and legal frameworks.

Pre-requisite: GBMT301 Introduction to Global Business Management OR GBMT300 Global Business Environment OR EBIS315 E-Business and Global Business Environment OR BECO310 Global Economic Issues and Business Implications

GBMT405 MANAGEMENT OF FOREIGN AFFILIATES

This course studies how multinational corporations manage the ownership and control of activities across international markets through various organizational forms or modes of foreign entry. These organizational forms of international cooperation include wholly owned subsidiaries, branches, and representative offices; and the new forms such as international joint ventures, alliances, management contracts, franchising, licensing and mergers.

Pre-requisite: GBMT301 Introduction to Global Business Management OR GBMT300 Global Business Environment OR EBS315 E-Business and Global Business Environment OR BECO310 Global Economic Issues and Business Implications

GBMT406 ENTREPRENEURSHIP

This course is about creation and management of new ventures. Key topics include the concept of entrepreneurship, identification and evaluation of entrepreneurial opportunities, financing of new ventures, government policies promoting innovation and new venture creation, and small business management. Students will also learn how to formulate business plans.

Pre-requisite: MGMT110 Principles of Business Management

GBMT408 CONTEMPORARY ISSUES IN GLOBAL BUSINESS MANAGEMENT

The course offers an in-depth discussion of some current and important topics in global business. The focus is on the various strategic and management challenges associated with the development of global strategies. Specific topics include global industry dynamics, development of strategic capabilities, management of strategic alliances, coordination and control processes in multinational corporations.

Pre-requisite: MGMT110 Principles of Business Management OR GBMT301 Introduction to Global Business Management

GMBA711 RESEARCH METHODS

This course prepares students to design and conduct academic and applied research in business. It aims to provide essential knowledge and skills to the students for mastering the research process. Major topics include problem identification, literature review, research design, data collection, analytical methods and report writing.

Pre-requisite: QMDS701 Statistics

HAGM710 INTERNATIONAL INTEGRATED RESORTS MANAGEMENT

This course introduces students with the newest concepts of Integrated Resort (IR) management. It discusses the inner workings of the hotel, gaming, entertainment and resort industry. Aside from the organizational structure and functions of each department, students will gain an understanding of the interaction and the logistics involved in ensuring the constant and uninterrupted output of services across all functions to ensure complete guest satisfaction within an integrated resort setting. This fundamental understanding of operations and basic managerial responsibilities will provide for a deeper and broader appreciation of the complexities and challenges of managing the daily operations of an IR. After completing this course, students will be able to have a fundamental understanding of the integrated resorts from a local and global perspective. Learning outcomes of communication and logistic skills will also be emphasized in this course.

Pre-requisite: None

HAGM711 INTEGRATED RESORTS MANAGEMENT INTERNSHIP

The internship programme is designed for students who have no prior working experiences in the related hospitality fields. The aim of this programme is to allow these students to get familiar with the hospitality work settings so as to better prepare them to join the workforce after graduation. Students undergoing the internship will be based in a company whose focus is cognate with the gaming and hospitality industry. The nature of the internship will vary depending on the requirements of the company. Students are responsible for searching for their own placements. However, the overall structure and timing must be agreed with the programme director, the employer and the student. Students will be expected to work full time with the

company in the gaming and hospitality industry for a period of at least 560 hours. Students can take the internship programme in the day time. A report has to be submitted after the internship. Students who are working full time with at least 2 years supervisory or managerial experience at the time of application will be able to exempt from this internship course. Students who are working full time without 2 years of supervisory or managerial experience at the time of application will be able to waive from the internship course. All other exempt or waive cases will be subjected to special approval on case by case bases. After completing this internship, students will be able to advance their communicational skills and have a better understanding of the industry in order to formulate organizational strategies for the integrated resorts.

Pre-requisite: None

HAGM730 MEETING, INCENTIVE, CONVENTION AND EXHIBITION MANAGEMENT

The objective of this course is to provide students an overview of the Meeting, Incentive, Convention, and Exhibition industry. It emphasizes on the advanced knowledge in planning, organizing, staging, marketing and management of conventions, meetings and exhibitions. Case studies and best practices will be emphasized in this course. Students will be able to advance their understanding of the importance of MICE in an integrated resort, formulating strategies in order to improve the MICE business after completing the module. In addition, analytical skills will also be emphasized in this course.

Pre-requisite: None

HAGM731 EVENT AND ENTERTAINMENT MANAGEMENT

This course focuses on examining the unique characteristics of the event and entertainment industry. It gives advanced knowledge of how to research, organize, stage, manage and market different types of events and entertainment. This course examines the challenges that the industry faces and will cover topics such as basic event industry concepts, feasibility, venues and sites selection, legal compliance, risk management, marketing strategies, sponsorship and event bids. Students will be able to progress their communication, research and analytical skills.

Pre-requisite: None

HAGM732 FOOD AND BEVERAGE MANAGEMENT

This course focuses on the overview of the management of the food and beverage operations. Topics for discussion include advanced knowledge in food and beverage trends, food and wine pairings, event caterings such as marketing, contract writing, food production, room arrangement, and personnel required for specific catered events and operation issues such as purchasing, service, and cost controls management. Emphasis will be placed on techniques and practices in the food and beverage operations. Case studies and best practices from the industry will be adopted. The importance of communication skills will be advanced in this course.

Pre-requisite: None

HAGM733 LODGING MANAGEMENT

This course aims to provide students an overview of the lodging management. Students who successfully complete this course will have advanced knowledge of how the lodging industry operates. This course will equip students with the required knowledge and skills that are essential in the lodging industry. Emphasis will be placed on techniques and practices in the lodging operations. Students will also be able to develop an understanding of lodging management from an international perspective and advancing their analytical skills.

Pre-requisite: None

HAGM734 HOTEL REVENUE MANAGEMENT

This course aims to provide students with concepts of revenue management in the hotel sector and discuss how managers can maximize hotel revenue by using forecast information in capacity management, discount allocation and duration control. Detail discussions will be on how revenue management decisions are affected by group room sales, transient room sales, food and beverage activities, local and are wide activities, special events and seasonality factors. Upon course completion, students will have further developed their research and analytical skills.

with a greater understanding of the strategic perspective in formulating organizational strategies in integrated resorts.

Pre-requisite: None

HAGM735 GAMING AND CASINO OPERATION MANAGEMENT

This course aims to give students an advanced knowledge to the gaming industry development and management around the world. A central focus will be the rationale of gaming legalization and its economic impacts in different countries. In addition, this course also gives students an overview of the operations in casinos. An emphasis will be on current trends of the casino operations as well as the primary management and financial elements that are unique to operating a casino. Topics will also cover the game protection/cheating and scams, internal theft, and other table and non-table games that are important when managing a casino business. An outcome is that student will have a greater international perspective towards gaming and casino operations management. Communication skills will be advanced after completing this course.

Pre-requisite: None

HAGM736 CROSS CULTURAL GAMBLING PSYCHOLOGY

This course focuses on the application of psychological knowledge to gambling behaviors. Topics include motivations, decision-making strategies, cognitive heuristics and biases, group and social influences, and pathological addictive gambling behaviors. Students will be able to better formulate organizational strategies for integrated resorts and enhancing both their communication and analytical skills.

Pre-requisite: None

HAGM737 TRAVEL AND TOURISM MANAGEMENT

This course provides student an overview of the unique characteristics of the travel and tourism industry. It emphasizes on examining advanced knowledge in travel and tourism industry system and will cover issues related to the impact of tourism planning and development. This course is designed to use a practical and pragmatic approach to understand travel and tourism management. Case studies and best practices will be emphasized in this course with global insights and perspectives. Research and analytical skills will be further developed as an outcome of this course.

Pre-requisite: None

HAGM738 RETAIL MANAGEMENT IN INTEGRATED RESORTS

This course discusses different activities and decisions that retailers face everyday. Students will learn major issues related to marketing and management in retailing. After taking this course, students should be equipped with advanced knowledge of understanding and solving the challenges faced by retail stores especially in integrated resorts, managing and marketing retail operations, as well as communicating effectively with customers. As a result, communication skills will be advanced after completing this course.

Pre-requisite: None

HAGM739 SERVICE QUALITY MANAGEMENT IN INTEGRATED RESORTS

This course provides students an overview of service quality management in integrated resorts. This course will equip students with the essential knowledge and service quality skills that are required in the industry. Quality analysis and enhancement issues are emphasized. Students will further progress their research and analytical skills as a result of taking this module.

Pre-requisite: None

HAGM740 SPECIAL TOPICS IN INTEGRATED RESORTS

This course aims to familiarize the students with the latest issues and topics in integrated resort. It allows students to develop skills related to a special aspect of integrated resort not presently covered in the other integrated resort related courses offered in the programme. Special topics may include one of the following: Global Issues in Integrated Resorts Management;

Technological Advances in Integrated Resorts; Cross Cultural Communication in Integrated Resorts Management; Service Quality Management in International Hospitality; Customer Relationship Management in Integrated Resorts; Crisis Management in Integrated Resorts; Leadership in Integrated Resorts; Facility Management in Integrated Resorts; Environmental Management in Integrated Resorts; or other advance topics in Integrated Resorts Management. These courses are designed to improve and progress global perspectives in integrated resort management, with communication skills being further developed.

Pre-requisite: None

HAGM751 RESEARCH METHODS

This course aims to equip students with the knowledge and skills in conducting research for the hospitality industry. Students will be able to diagnose and identify research problems, collect relevant quantitative and qualitative data, propose alternatives and solutions, and report recommendation to business professionals in the hospitality industry. The ability for students to conduct research and analysis will be enhanced as an outcome from this module.

Pre-requisite: None

HAGM811 ADVANCED RESEARCH METHODS IN HOSPITALITY AND GAMING MANAGEMENT

This course will provide an overview on various research paradigms and research methods used in various business areas. It is designed to familiarize PhD students with the logic discipline, principles of good research design, and various research processes, methodology and strategies that researchers use to address research questions. Topics include the identification of research problems, development of research hypotheses, research designs, data collection and processing, statistical and/or econometric analyses, and interpretation of results.

Pre-requisite: HAGM751 Research Methods or equivalent (master level)

HAGM812 CONTEMPORARY RESEARCH IN HOSPITALITY AND GAMING MANAGEMENT

This core course provides PhD students with a topical foundation in hospitality and gaming management research. It introduces students to basic academic theories and concepts relating to hospitality and gaming management. Students will also learn more about current research in these areas. These knowledge will be critical for students to engage in future high-level hospitality and gaming research. They lay the foundation for the generation of more advanced knowledge in this field.

Pre-requisite: None

MGMT110 PRINCIPLES OF BUSINESS MANAGEMENT

This is an introductory course regarding the nature and environment of business and its role in the society. It also provides an overview of the concepts related to basic functions of management

Pre-requisite: None

MGMT220 BUSINESS COMMUNICATIONS

This is an introductory course regarding practical and professional understanding of business communication skills and core competencies needed to deal effectively with internal and external audiences. Applications of communication theories will also be covered. Students will also learn to effectively produce and present various data and information convincingly and professionally.

Pre-requisite: MGMT110 Principles of Business Management

MGMT221 ORGANIZATIONAL BEHAVIOR

Organizational Behavior (OB) is the study of human behavior within organizations. It looks into the many factors that have an impact on how people and groups act, think, feel and respond to work and organizations, and how organizations respond to their environments. The course

focuses on the key concepts and theories from behavioral and social sciences that form the bases for understanding human interaction in the workplace. It covers a wide range of topics that include values, perception, personality, motivation, decision making, group processes, communication, leadership, and power and politics. After completing this course, students should be able to: understand the basic concepts and theories related to managers and employee behavior; apply the concepts and theories introduced to solve problems in an organizational context; and develop a better appreciation of their own values, ability and personality.

Pre-requisite: MGMT110 Principles of Business Management

MGMT330 STRATEGIC MANAGEMENT

This course introduces students to the process of strategy formation, formulation, and implementation. Students learn to integrate functional knowledge in business and to apply strategic management tools in case studies.

Pre-requisite: MGMT110 Principles of Business Management AND FINC210 Financial Management AND ACCT100 Principles of Financial Accounting

MGMT331 RESEARCH METHODS

This course prepares students to understand the role and importance of research in business. It also enables students to plan methodologically sound research studies, to execute them, and to analyze research results. Knowledge and skills acquisition include: problem identification; literature review; theoretical framework development; hypotheses formulation; research design selection, data collection, data analyses, report writing, and differentiation between sound and unsound research. Students are required to conduct a research project as group.

Pre-requisite: MGMT110 Principles of Business Management AND MKTG220 Principles of Marketing AND QMDS200 Statistics and Data Analysis

MGMT332 HUMAN RESOURCES MANAGEMENT

The course provides students an overview of contemporary theory, analysis, and practice in the field of human resources management (HRM). It introduces students to the fundamental and strategic role of HRM in today's organizations. It aims to develop in the students a stronger capacity to grasp the complexity of managing people and the ability to form intelligent opinion about various challenges facing HR practitioners. Broad areas of concern include the main HR functions such as recruitment, selection and retention of human resources, training and development of people, employee assessment and compensation.

Pre-requisite: MGMT110 Principles of Business Management

MGMT333 HUMAN RESOURCES PLANNING AND STAFFING

The course focuses on the crucial role of planning and staffing in the overall human resource strategy of the company. It aims to familiarize students with the knowledge and tools to assess the future supply and demand for human resources in organizations, and the methods to attract, select and retain qualified employees. Students will find many opportunities in both classroom discussions and field research to test the congruence of theory and practice. In the process, they should be able to enhance their analytical and problem-solving skills.

Pre-requisite: MGMT221 Organizational Behavior

MGMT334 ORGANIZATIONAL CHANGE AND DEVELOPMENT

This course provides students the relevant knowledge and skills in order to manage change effectively in organizations. The diagnostic process, and characteristics of change agents, will be discussed in detail, together with methods of dealing with resistance to change and managing the motivation for change. Other themes to be covered in the course include organization development, organizational culture change and organizational learning. The discourse in this course will demonstrate the organic relationship between individual transformation and organizational change, in the context of major paradigmatic shifts worldwide.

Pre-requisite: MGMT221 Organizational Behavior

MGMT335 QUALITY MANAGEMENT

This course introduces students to the core concepts and techniques of total quality management (TQM) and its implementation in organizations. Major topics include the evolution of the Quality Management concepts, quality control circles, quality enhancement tools, and the implementation of TQM. At the end of the course, students are expected to understand the underlying philosophy of TQM, evaluate the strengths and limitations of some quality systems such as ISO9000, and appreciate the challenges of sustaining an organization which is capable of delivering a quality product.

Pre-requisite: MGMT110 Principles of Business Management

MGMT336 BUSINESS ETHICS AND CORPORATE SOCIAL RESPONSIBILITY

The aim of this course is to provide students with the knowledge, critical thinking skills and understanding to make ethically sound business judgments and decisions when faced with complex and difficult problems. In this course, students will have an opportunity to build a strong foundation for their own ethical development as a citizen, employee, manager or corporate leader.

Pre-requisite: MGMT110 Principles of Business Management

MGMT480 LEGAL ISSUES IN HUMAN RESOURCES MANAGEMENT

This course aims to develop student's sensitivity on the legal ramification of human resource decisions. Basic legal knowledge regarding recruitment, compensation, training, and working conditions will be covered in this course.

Pre-requisite: MGMT221 Organizational Behavior

MGMT481 TRAINING AND DEVELOPMENT

Training and Development (T & D) builds on teaching and learning theories in providing students an overview of contemporary theory and practice in the field. They are exposed to the whole T & D process and are expected to demonstrate what they have learned through in-class training presentations. Moreover, students are also expected to research on current T & D practices in the region. Course topics include training and development theories, learning motivation, T & D needs assessment, design and delivery, transfer of training, T & D strategies, and the management and evaluation of T & D programmes.

Pre-requisite: MGMT221 Organizational Behavior

MGMT482 PERFORMANCE AND COMPENSATION MANAGEMENT

The course provides knowledge of compensation and performance appraisal systems, and their relationships to corporate and human resource strategies. It exposes students to benefit packages, the benefits determination process, the legal requirements in administering compensation, various compensation systems, and performance appraisal methods. The course also addresses the impact compensation and performance appraisal systems have on employee performance. Students will also study the influence unions have on wage and salary administration.

Pre-requisite: MGMT221 Organizational Behavior

MGMT483 EMPLOYEE RELATIONS, SAFETY & HEALTH

This course is concerned with both quality of work life issues and employee relations. Topics can include occupational health and safety, emotional health, interpersonal relationships, work/family conflict, degree and nature of employee participation in decision-making, the role of labor unions and other forms of employee representation, and the pattern of cooperation and conflict resolution that occur among employees and employers.

Pre-requisite: MGMT221 Organizational Behavior

MGMT484 STRATEGIC HUMAN RESOURCES MANAGEMENT

The course provides students with a strategic approach to human resource management, clearly establishing the link between HRM and corporate strategies. It deals with the importance of "human capital" as a cornerstone of firms' competitive advantages. The course also enables

the students to understand and apply processes, techniques, and activities of HRM in order to form and implement organizational strategies amid critical environmental influences.

Pre-requisite: MGMT221 Organizational Behavior

MGMT486 INDUSTRIAL PSYCHOLOGY

This course is an introductory course of industrial psychology which includes application of psychological theory and research to recruitment, personnel selection, training and development, job design, work group design, work motivation, leadership, performance assessment, and job satisfaction measurement.

Pre-requisite: MGMT221 Organizational Behavior

MGMT488 CONTEMPORARY ISSUES IN HUMAN RESOURCES MANAGEMENT

The course gives students an opportunity to examine in some depth a variety of important current issues and trends in HRM. It explores current theory, analysis, and practice in selected areas of the field. The course introduces students to the theoretical and analytical issues shaping contemporary HRM thinking and practice. It also serves as a forum for students to exchange views on both the theoretical and practical aspects HRM as they might apply to the Macao context.

Pre-requisite: MGMT221 Organizational Behavior

MGMT489 LEADERSHIP

This course is designed to provide students with a broad perspective on the practice of managerial leadership and organizational life in the global arena. It enable students to develop the leadership skill, to inspire people to go from vision to action to results, to ensure organization to stay competitive in today's' global competition, global market, organizational turbulence, and a changing workforce marked by higher education and resultant higher expectations, as well as diversity.

Pre-requisite: MGMT110 Principles of Business Management

MGMT710 ORGANIZATIONAL BEHAVIOR

The course presents frameworks for explaining human behavior in the workplace. Through these frameworks, students will be intellectually equipped with tools to manage employees, work teams, and organizations effectively. Topics include basic attributes of individuals, theories of motivation, job design and work arrangements, group development and processes, organizational structure and design, organizational culture and organizational change.

Pre-requisite: None

MGMT711 STRATEGIC MANAGEMENT

This course provides students with the challenge of integrating different functional skills and applies them to actual business cases. Consequently, strategic management is a capstone course where students will deepen their understanding of how competitive advantages, business strategy, corporate strategy, and international strategy impact the success or failure of companies

Pre-requisite: MKTG710 Marketing Management AND MGMT710 Organizational Behavior

MGMT712 MANAGING HUMAN RESOURCES AND PERSONNEL PSYCHOLOGY IN INTEGRATED RESORTS

This course aims to develop within students the capacity to understand the complexity of managing people. Participants of this course will carry out an in-depth investigation into such topics as recruitment, compensation, and training. This course will also examine the personnel psychology when managing human resources. It will introduce participants to current debates within human resource management. After completing this course, students will also be able to enhance their communication skills and should be able to formulate organizational strategies for integrated resorts.

Pre-requisite: None

MGMT730 BUSINESS ETHICS

This course will train students in critical thinking about the claims of various stakeholders over business practices. Ethical reasoning will be taught so that students can distinguish factual reports from opinions, recognize breaches of "Hume's Law" or examples of the Naturalistic Fallacy and of ethical relativism. The theory and evidence of Kohlberg & Gilligan proportions concerning ethical evolution will be reviewed. The ethical issues of most general concern are analyzed: Piracy, sweatshops, misrepresentation, whistle-blowing, corruption, dumping, pollution, arbitrary abuse of executive power and financial scandals. Cases are used sparingly to illustrate general principles. The emphasis is on acquiring the thinking skills necessary to recognize and resolve difficult ethical problems in the workplace.

Pre-requisite: None

MGMT732 HUMAN RESOURCES MANAGEMENT

This course aims to develop within students the capacity to understand the complexity of managing people. Participants of this course will carry out an in-depth investigation into such topics as recruitment, compensation, and training. The course will also introduce participants to current debates within human resource management.

Pre-requisite: None

MGMT735 STRATEGIC MANAGEMENT IN HOSPITALITY INDUSTRY

This course provides students with the challenge of integrating different functional skills and applies them to actual business cases especially in the hospitality industry. Consequently, strategic management is a capstone course, where students will deepen their understanding of how competitive advantages, business strategy, corporate strategy, and international strategy impact the success or failure of companies. Research and analytical skills with ability to better formulate organizational strategies will be improved as outcomes for this module.

Pre-requisite: None

MGMT736 ADVANCES IN MANAGEMENT STUDIES

This course provides students with the opportunity to focus on a particular contemporary issue in managing people and organizations, utilizing the most recent advances in theory and practice in the field.

Pre-requisite: MGMT710 Organizational Behavior

MGMT737 GLOBAL BUSINESS

This course enables students to conduct analyses of the cultural, legal, political, financial, and economic factors affecting the global business environment. Substantial attention will be paid to integrated, multidisciplinary applications of knowledge. A case-based approach is used.

Pre-requisite: None

MKTG220 PRINCIPLES OF MARKETING

This is an introductory course providing students with key concepts and skills underlying the modern practice of marketing. The role of marketing in the organization and in society is also examined. Tools and methods used in planning and implementing the four Ps (product, price, place and promotion) will be explored.

Pre-requisite: MGMT110 Principles of Business Management

MKTG340 CONSUMER BEHAVIOR

This course is designed to provide students with a framework for analyzing consumer behavior by learning about relevant psychological and sociological theories. It focuses on the consumer decision process with emphasis on consumer decision making, satisfaction/dissatisfaction factors, perception, learning, group influences as well as marketing strategies implications.

Pre-requisite: MKTG220 Principles of Marketing

MKTG341 BUSINESS-TO-BUSINESS MARKETING

This course focuses on the key issues and factors to consider when formulating and

implementing marketing strategies target at other business and nonprofit organizations, emphasizing relationship building, alliance and partnership, data interchange, power shifts in the channel and the impact of changing technology.

Pre-requisite: MKTG220 Principles of Marketing

MKTG410 INTERNATIONAL MARKETING

This course enables students to develop an understanding of the dynamics of foreign markets and learn how to apply the marketing concepts in these environments. Students will be able to gain the necessary skills needed to evaluate and select foreign market opportunities, segment international markets, enter and effectively serve the foreign markets as well as develop and implement marketing strategies at the country, regional, and global level.

Pre-requisite: MKTG220 Principles of Marketing

MKTG411 INTEGRATED MARKETING COMMUNICATIONS

Students will be able to exhibit: a critical appreciation of key models and framework within the marketing communications area; critically appraise and develop integrated marketing communications campaigns; show a sound understanding of the advertising process ranging from creative strategy to media strategy; demonstrate an appreciation of the roles and relative contributions of public relations, sponsorship, sales promotion, direct marketing and the internet as communications tools; and understand the differing roles of advertising agency, specialist agency and creative consultancy.

Pre-requisite: MKTG220 Principles of Marketing

MKTG412 MARKETING STRATEGY

This is a capstone course in marketing to train students in consolidating all learnt principles and putting them into making marketing decisions relevant to the long-run performance of organizations. It will introduce students to strategic thinking and also other updated and pertinent issues in marketing strategy. Upon completion of the course, students should be able to recognize the key influencers of success of various marketing decisions and thereby improve their ability in making marketing decisions.

Pre-requisite: MKTG220 Principles of Marketing

MKTG420 SERVICES MARKETING

This course seeks to prepare students to function as effective marketers in a services economy, to raise awareness of the nature and characteristics of services as well as to provide more knowledge about service quality, the foundation of services marketing.

Pre-requisite: MKTG220 Principles of Marketing

MKTG421 SALES MANAGEMENT

This course aims at familiarizing students with the development, trends and relevant theories of sales management. After taking this course, students should understand the principles of organizing, motivating, leading and compensating salesforce. They will also acquire the knowledge and techniques of effective personal selling.

Pre-requisite: MKTG220 Principles of Marketing

MKTG422 RETAIL STRATEGY

This course discusses the various activities and decisions that retailers face everyday. It introduces and integrates business, consumer and social concepts to provide an effective framework for the study of retailing. After taking this course, students should be equipped with the knowledge of selecting a store location, managing the retail operation, developing a merchandise plan as well as communicating with customers.

Pre-requisite: MKTG220 Principles of Marketing

MKTG423 INTERNATIONAL RETAILING

Upon completion of this course, students should get a basic understanding of the retailing practices in various developed and developing countries, and be able to appreciate how

differences in market structure, culture and consumer behavior bring about differences in retailing strategies across these countries.

Pre-requisite: MKTG220 Principles of Marketing

MKTG424 MARKETING FOR HOSPITALITY INDUSTRY

This course examines how hospitality and tourism enterprises apply marketing theories for the purpose of successful business. It provides students with basic knowledge and practical experience to develop strategic and operating marketing plans for hospitality properties, emphasizes the marketing orientation as a management philosophy that guides the design and delivery of guest services and examines the dynamic relationship between hospitality marketing and daily operations.

Pre-requisite: MKTG220 Principles of Marketing

MKTG426 EVENTS MARKETING

Events marketing covers the field of conferences and meeting management and marketing. The different types of meetings and conferences and the types of organizations that stage such events are examined. Topics include: the role of the planner; setting objectives; site selection negotiations; programme design; budgeting; contracts; speaker selection; registration; on-site logistics; transportation; and security and legal issues. The use of convention centres and multi-hotels in relationship to housing and participant registration systems, vendor contracts, and union staff is also explored.

Pre-requisite: MKTG220 Principles of Marketing

MKTG427 MARKETING CHANNEL MANAGEMENT

The management of the flow of products from producer to consumers/customers is one of the critical components of marketing strategy. This course seeks to examine the role of the marketing channels in the field of marketing activities and to develop student's problem solving abilities in distribution activities.

Pre-requisite: MKTG220 Principles of Marketing

MKTG428 PRODUCT MANAGEMENT

This course enables students to gain an understanding of the basic concepts in product management, to develop decision-making skills by applying these concepts to real-life problems as well as an awareness of the latest tools, techniques, and research in product management.

Pre-requisite: MKTG220 Principles of Marketing

MKTG429 PRICING STRATEGY

This course will draw on the concepts of economics and marketing to develop approaches useful for pricing decision making. Students are expected to develop a deep appreciation of the complexities of making pricing decisions from a managerial perspective and to be able to conduct detailed analysis of the pricing environments. The elements of a comprehensive conceptual model of the pricing decision will be demonstrated.

Pre-requisite: MKTG220 Principles of Marketing

MKTG430 CUSTOMER RELATIONSHIP MANAGEMENT

This course seeks to provide students with the necessary conceptual background of what customer relationship management is and is not, introduce them to various techniques through which relationships can be acquired and retained, as well as critically evaluate and assess the effectiveness of various CRM efforts.

Pre-requisite: MKTG220 Principles of Marketing

MKTG431 INTERNET MARKETING: PRINCIPLES AND MODELS

The course focuses on what a manager must know to take advantage of the Net. Students will understand the key issues and factors to consider when formulating and implementing Internet marketing strategies, know how to apply the concepts, principles and theories associated with marketing management to an online environment and use the Internet more effectively on

personal and professional levels.

Pre-requisite: MKTG220 Principles of Marketing

MKTG432 BRAND MANAGEMENT

This course will address the strategic importance of branding, provide theories and strategies for building, leveraging, and defending strong brands, and discuss current opportunities and challenges facing brand managers.

Pre-requisite: MKTG220 Principles of Marketing

MKTG433 QUANTITATIVE MARKETING RESEARCH

The objective of this course is to teach the students the concept of quantitative research and to train them on how to use large and representative sample to collect data that can be analyzed statistically to output conclusive results.

Pre-requisite: MGMT331 Research Methods

MKTG434 QUALITATIVE MARKETING RESEARCH

Qualitative research has much relevance in marketing as a tool in searching for relevant information about markets and their uses in formulating marketing strategies and programmes. This course aims to develop the concept of scientific research and provide an understanding of the nature of qualitative research. Students should be able to command basic qualitative data collection approaches and basic qualitative data analysis techniques and to develop the ability to design, execute, and report qualitative marketing research project.

Pre-requisite: MGMT331 Research Methods

MKTG435 SPECIAL TOPICS IN MARKETING

This course aims to familiarize the students with the latest issues and topics in marketing. It allows students to develop skills related to a special aspect of marketing not presently covered in the other marketing courses offered in the programme (e.g. Marketing for Non-profit Organizations, Marketing in the Asia-Pacific Region).

Pre-requisite: MKTG220 Principles of Marketing

MKTG436 LEISURE AND LIFESTYLE MARKETING

This course provides a basic understanding and familiarity with the latest strategies, techniques, and communication media employed to market the expanding range of entertainment, sports, resorts/spas in the world. On completion, students should be equipped with the knowledge and skills to apply marketing principles as they pertain to the fast growing leisure industry.

Pre-requisite: MKTG220 Principles of Marketing

MKTG710 MARKETING MANAGEMENT

This course seeks to equip students with the key conceptual, analytical and problem solving skills to address marketing problems and decisions. Specifically, it introduces students to various marketing analyses (customer, competitor and company analysis) and marketing strategies. Tools and methods used in planning and implementing the four Ps (product, price, place and promotion) will be explored. This course integrates theory and practice within the context of organizations operating locally and globally.

Pre-requisite: None

MKTG711 INTERNATIONAL HOSPITALITY MARKETING MANAGEMENT

This course seeks to equip students with the key conceptual, analytical and problem solving skills to address marketing problems and decisions. Specifically, it introduces students to various marketing analyses (customer, competitor and company analysis) and marketing strategies. Tools and methods used in planning and implementing the four Ps (product, price, place and promotion) will be explored. Service marketing basics will be emphasized. This course integrates theory and practice within the context of organizations operating locally and globally. After completing this course, students will also be able to advance their research and analytical skills.

Pre-requisite: None

MKTG730 BUYER BEHAVIOR

This course offers an analysis of consumer and organizational purchase behavior. Emphasis is placed on how and why purchase decisions are made and on the psychological, sociocultural and economic underpinnings of different purchase behaviors. Based on these principles, students should be able to predict how buyers (consumers and organizations) will react to various marketing actions.

Pre-requisite: MKTG710 Marketing Management

MKTG731 DIRECT MARKETING AND CUSTOMER RELATIONSHIP MANAGEMENT IN INTEGRATED RESORTS

This course aims to equip students with key knowledge and skills in direct marketing and customer relationship management. It will cover the core elements of customer relationship management and topics such as customer retention, service delivery, and customer satisfaction will be included. Advances in direct marketing will also be emphasized. Students will be able to diagnose and establish customer relationship management strategies and direct marketing strategies that support integrated resort objectives. Case studies and best practices will be emphasized, with an enhanced ability in communication, research and analytical skills upon course completion.

Pre-requisite: None

MKTG732 ADVANCES IN MARKETING STUDIES

This course provides students with the opportunity to focus on a particular contemporary issue in marketing. Possible topics come from the fields of internet marketing, brand management, marketing in China and customer relationship management.

Pre-requisite: MKTG710 Marketing Management

MTMK811 ADVANCED RESEARCH METHODS IN MANAGEMENT AND MARKETING

This is a seminar course on behavioral research in business. This course provides basic concepts on social theories and scientific laws with respect to the philosophy of science. It covers various stages of behavioral research including research design, measurement scale and development, samples, data collection and statistical analyses such as significance tests, experimental design, multiple regression, mediation and moderating effects, multi-level analysis, confirmatory factor analysis, and structural equation modeling.

Pre-requisite: GMB A711 Research Methods or equivalent (master level)

MTMK812 DOCTORAL SEMINAR IN MARKETING THEORIES

This course introduces PhD students to recent topics and literature in the field of marketing. It aims to generate a discussion highlighting recent developments in marketing theories in the following areas:

- Marketing strategy
- Consumer behavior

Students are required to read and prepare written reviews on journal articles at home. They also need to share and discuss these reviews in the class. This approach enables students to appreciate marketing theories and concepts and their managerial implications. It also enables students to assess the strengths and weaknesses of various marketing investigations.

Pre-requisite: MKTG710 Marketing Management or equivalent (master level)

MTMK813 DOCTORAL SEMINAR IN STRATEGIC MANAGEMENT

The seminar course provides an overview of various theoretical perspectives that define the landscape of strategy research. Upon the completion of this course, students will be able to develop a pluralistic understanding about the conceptual development of strategy field and identify new directions and further areas of research. Major strands of theories to be discussed include industry-based view, institution theory, resource-based view, knowledge-based view and strategy process perspective.

Pre-requisite: MGMT711 Strategic Management or equivalent (master level)

MTMK814 DOCTORAL SEMINAR IN ORGANIZATIONAL BEHAVIOR/HUMAN RESOURCE MANAGEMENT

This is a seminar course introducing the major theoretical perspectives pertaining to organizational behavior (OB) and human resource management (HRM) research. It covers the major topics in OB and HRM research and focuses on discussing the various theoretical perspectives employed by current OB and HRM studies. Through intensive in-class discussion, the students can have an understanding on the latest development of OB and HRM theories and generate their perspective on future research directions.

Pre-requisite: MGMT710 Organizational Behavior or equivalent (master level)

QMDS100 BUSINESS MATHEMATICS

This course aims to improve students' quantitative literacy and their confidence in mathematics and to help students develop competence in the basic mathematical topics and learn to apply these concepts to business applications. Students will learn to develop simple mathematical models and interpret the results of mathematics in business terms.

Pre-requisite: None

QMDS101 MATHEMATICS FOR BUSINESS AND ECONOMICS

This course aims to improve student's numeracy and to provide them with a toolkit of basic quantitative skills which may be utilized in more advanced subjects on their study. Course topics include: properties of functions, graphs, logarithms and exponential functions; mathematics of finance: (compound interests, present value, annuities); the graphical approach to linear programming; introduction to matrix and linear algebra, and the applications of the above concepts and techniques in business and management, including the use of spreadsheet computer programmes.

Pre-requisite: None

QMDS102 APPLIED CALCULUS

This course provides an introduction to the mathematics of change. Course topics include: limits, continuity, the derivative, rules of differentiation, implicit differentiation, related rates, curve sketching, functions of several variables, partial derivatives, unconstrained and constrained optimization, anti-differentiation, the integral, techniques of integration, applications of the definite integral. A strong emphasis is placed on the geometric interpretation of the concepts of calculus, and the application of these concepts to business and economics.

Pre-requisite: QMDS101 Mathematics for Business and Economics

QMDS103 LOGIC AND REASONING

This course aims at teaching students how to understand logic basic conception, and introduce the basic principle of critical thinking. On completing the course, students will learn to differentiate between inductive and deductive reasoning arguments, and will be able to apply critical thinking techniques to logical arguments encountered in everyday life society and in the media. The course content includes the principles of induction; introductory symbolic logic, and fallacies analysis.

Pre-requisite: None

QMDS104 HUMAN INFORMATION PROCESSING

This course aims to ensure students are able to distinguish fact from opinion, to identify both errors in reasoning and the presence of heuristics; and to appreciate when apparently systematic patterns are likely to be due only to random behaviors.

Pre-requisite: None

QMDS105 APPLIED CALCULUS

This subject is to provide students with basic skills of mathematical analysis, which is the core of many quantitative disciplines such as Optimization, Financial Mathematics, Statistics, and Econometrics. The syllabus emphasizes an approach to mathematics of a more abstract and conceptual kind. This emphasis is designed to help students cope with more advanced

mathematics that they will meet in their senior years. Topics include: Exponential Function, Limits and continuity, Differentiation, Parametric Curves and Polar Coordinates, Parametric curves, polar coordinates, gradients, Riemann Integral, Numerical methods, Infinite sequences and series, Functions of Several Variables, and Introduction to Ordinary Differential Equations. Pre-requisite: QMDS100 Business Mathematics

QMDS200 STATISTICS AND DATA ANALYSIS

Students in this course will learn to acquire a practical and conceptual understanding of statistical concepts enabling them collect, process, interpret, and report statistical data. This course also helps students develop skills in using common statistical software to analyze large amounts of business and economic data.

Pre-requisite: QMDS100 Business Mathematics

QMDS201 PROBABILITY AND STATISTICS

This course aims to provide an opportunity for students to understand and appreciate the broad use of statistics and probability in business world. The objectives are to demonstrate how to summarize, present and analyze data using commonly available statistical computing tools and to introduce the basic concepts of probability as well as the mathematics of probability theories. The emphasis here is on developing students' ability to effectively choose the correct statistical techniques and communicate statistical data and results of analysis. Topics include: Organization and Presentation of Data, Descriptive Statistics, Fundamentals of Probability, Probability Distributions and Probability Densities, Mathematical Expectations, Sampling Distributions.

Pre-requisite: QMDS100 Business Mathematics OR QMDS101 Mathematics for Business and Economics

QMDS202 DATA ANALYSIS AND MODELING

This course marks the transition of descriptive statistics and probability concepts to inferential statistics, with high priority on regression analysis. It aims to provide students with a solid training in the principles and procedures of statistical theories, which are important for making business decisions. The objectives are therefore to give students statistical knowledge and techniques to analyze and solve real world business problems and to introduce to students computer software techniques for achieving the above objectives. Topics include: sampling theory, confidence interval estimation, hypothesis testing, inferences based on two samples, analysis of variance, Chi-Square test, linear regression and correlation, statistical process and quality control, software packages for statistical analysis.

Pre-requisite: QMDS201 Probability and Statistics

QMDS203 LINEAR ALGEBRA

This course is intended to provide conceptual understandings and computational techniques of linear algebra. Linear algebra has wide applications to diverse areas in natural science, engineering, business and social science. This course covers linear equations, matrices, determinants, vector spaces, linear transformations, inner product and orthogonality, eigenvalues and eigenvectors, least squares problems and quadratic forms. The course emphasizes matrix and vector calculations, and its applications to finance and statistics.

Pre-requisite: QMDS100 Business Mathematics OR equivalent course

QMDS300 QUANTITATIVE DECISION ANALYSIS

This course introduces students to a wide range of quantitative modeling techniques in decision analysis including optimization, waiting-line models, inventory management, and simulation. Students will learn to use standard application software to build models and handle real-world business problems in different functional areas and to develop skills in interpreting, communicating, and implementing solutions that may be prescriptive, descriptive, or predictive.

Pre-requisite: FINC213 Statistics for Finance OR QMDS200 Statistics and Data Analysis OR QMDS201 Probability and Statistics

QMDS301 FORECASTING MODELS IN BUSINESS

This one-semester course aims to provide students with an understanding of the theory and practice of business forecasting, as applied to real data and practical problems in forecasting. In particular, students will be taught the formal procedures of identifying and understanding characteristics of time series data in business and economics, and the basic skills for developing and analyzing models for forecasting time series data. At the end of the course, students should be able to use standard computer packages to carry out analyses.

Pre-requisite: QMDS200 Statistics and Data Analysis OR QMDS202 Data Analysis and Modeling

QMDS302 CASINO MATHEMATICS

This course introduces and develops some of the quantitative techniques needed for systematic analysis of various gambling and game activities, and illustrates the usefulness of mathematics in gaming management practice. Topics include elementary probability theory from the point of view of games and gambling, introduction to game theory and decision analysis, gambler's ruin, and optimal strategies. Examples are taken from various gambling house games, including blackjack, craps, and poker. By the end of the course students should be able to assess the risk of undertaking a particular gambling activity, and to evaluate long-term gambling success.

Pre-requisite: QMDS201 Probability and Statistics

QMDS303 APPLIED MATHEMATICS FOR ECONOMICS

This course introduces to students the mathematical tools generally used in economic theory and other economic courses. It aims to deliver students a rigorous knowledge on mathematical techniques and their economic applications. After this course, students would be able to apply mathematical analyses in business and economics.

This course will cover topics such as matrices, elementary linear algebra, numerical approximation, partial differentiation, unconstrained optimization, optimization with equality constraints, first linear difference equations and comparative statics.

Pre-requisite: QMDS100 Business Mathematics

QMDS304 ADVANCED CALCULUS

This course introduces all the techniques necessary for an understanding of the theorems of Green and Stokes. It will also help students develop skills in solving ordinary differential equations by analytical methods. Selected applications to finance will be given throughout the course. Topics include: The real and complex numbers, the concepts of convergence and limits. Completeness of the real numbers. Review on calculus of a single variable. Infinite series, power series and Taylor series, convergence of infinite series. Functions of several variables, partial derivatives. Differentiability of a function of several variables, the chain rule in several variables. Inverse and Implicit function theorems. Optimization, Lagrange multipliers. Multiple integrals, Fubini's theorem. Vector functions, curve and surface integrals, Green's and Stokes' theorems. Series solution of ordinary differential equations about regular points.

Pre-requisite: QMDS105 Applied Calculus

QMDS310 STATISTICAL QUALITY CONTROL

This course introduces various techniques used in quality control and quality management, and exemplifies how quality control can improve an enterprise's profitability by decreasing product defects, increasing customer satisfaction and product competitiveness. Probabilistic and statistical techniques are applied to modeling and analysis of variability associated with product production and service processes. Topics include analysis of product design tolerances, statistical analysis of process capability, statistical process control using control charts, and acceptance sampling.

Pre-requisite: FINC213 Statistics for Finance OR QMDS200 Statistics and Data Analysis OR QMDS202 Data Analysis and Modeling

QMDS311 OPERATIONS MANAGEMENT

This course is intended to be a survey of operating practices and models in both manufacturing

and service oriented firms. It is intended to equip students with sufficient knowledge concerning the operations function and to better prepare them to make informed "total business decisions". It also introduces students to standard terms and concepts for communications with operations personnel. In such a course, it should be recognized that breadth of subject matter, not depth of topic, will be the goal. We will often use cases for classroom discussion. Operational issues to be discussed include designing, acquiring, operating, and maintaining the facilities and processes; purchasing raw materials; controlling and maintaining inventories; and providing the proper labor needed to produce a good or service so that customers' expectations are met.

Pre-requisite: FINC213 Statistics for Finance OR QMDS200 Statistics and Data Analysis OR QMDS202 Data Analysis and Modeling

QMDS400 PROJECT AND QUALITY MANAGEMENT

This course aims to familiarize students with the fundamental concepts of the environment and process of project management, so they will be able to productively take part in a cross-functional project team and potentially lead a real-world business project. Students will learn to understand the common practices and issues in project planning and control, and to effectively make use of project management techniques and tools, as well as to integrate different functional skills in developing a project proposal. Topics to be covered include: the Project Life Cycle; the project management process; project planning and organization; project finance and control; resource considerations.

Pre-requisite: FINC213 Statistics for Finance OR QMDS200 Statistics and Data Analysis OR QMDS202 Data Analysis and Modeling

QMDS701 STATISTICS

This statistics course concentrates on the knowledge of statistical analyses necessary for the manager. It covers typical descriptive measures of data: central tendency and dispersion; fundamentals of probability theory as a basis for subsequent statistical inference techniques; and estimation and hypotheses testing of means and proportions; tests of goodness-of-fit and independence; linear regression and correlation analyses. Additional topics are analysis of variance and selected decision theory techniques. The objectives are therefore to give students knowledge and techniques to analyze and solve real world business problems and to introduce to students computer software techniques for achieving these objectives.

Pre-requisite: None

QMDS730 SERVICE OPERATIONS

This course provides an overview of supply chains and operations management. It also contains an analysis of policies, decisions and systems that produce goods and services and an examination of the role of comprehensive planning, materials management, resource scheduling, distribution systems, and system location in service operations. Quality analysis and enhancement issues and processes are also introduced.

Pre-requisite: None

QMDS811 QUANTITATIVE RESEARCH METHODS IN DECISION SCIENCES AND INFORMATION SYSTEMS

This course will provide an overview on various quantitative research paradigms and methods in decision sciences (DS) and information systems (IS). It is designed to familiarize PhD students with data analysis skills and the logic of DS&IS discipline, principles of good research design, and various research processes, methodologies and strategies that researchers use to address questions in DS and IS.

Pre-requisite: None

QMDS812 ADVANCED TOPICS IN DECISION SCIENCES AND INFORMATION SYSTEMS

The course covers some advance topics in decision sciences and information systems including statistics analysis, game theory, stochastic models, supply chain management, data analysis and database management. The first half of the course will be in lecture format, with the second half devoted to letting students develop and present some topics relating decision science and

write individual research reports.

Pre-requisite: None

RESW800 RESEARCH WRITING

Academic writing is a critical skill for academics. This course is thus developed to introduce the principles of good academic writing to business PhD students. The primary purpose is to educate student on the art and science of writing a PhD-level research proposal and dissertation. Specifically, students will learn basic issues to improve their micro and macro writing skills. In addition, this course will introduce students to the process of submitting and publishing in peer-reviewed journals and to academic conferences. Students will also learn more about ethical issues in academic writing, the art of paraphrasing, and how to avoid plagiarism.

Pre-requisite: None

RESE801 RESEARCH ETHICS

The course provides students with an understanding of the following issues:

- the need for research ethics and the responsibility of the researcher (the student)
- the most common types of academic dishonesty (such as fabrication and plagiarism)
- how to avoid committing acts of academic dishonesty (such as through using citations and references)
- how the University deals with students who have been proven to have committed acts of academic dishonesty (The University's 'Rules on Handling Student Academic Dishonesty' will be outlined)

Pre-requisite: None

PhD ProgrammeAREA OF STUDY■ **Education**

	Credits
For students admitted with a relevant Master's degree	
Compulsory Courses	
EDUC803 Research Ethics	0
EDUC804 Research Writing	3
EDUC805 Introduction to Educational Research	1
EDUC806 Introducing Qualitative Research	1
EDUC807 Introducing Quantitative Research	1
EDUC801 Qualitative Research Methods	3
EDUC802 Applications of Advanced Quantitative Methods	3
 EDUC899 Doctoral Thesis	 18
Total	30

For students admitted without a relevant Master's degree

In addition to the above, students are required to take the following courses:

Compulsory Course	
EDUC701 Research Methods in Education	3
Required Elective Courses	
3 Master-level courses in FED that are related to student's specialized research area	9
Total	42

FACULTY OF EDUCATION

Master's Degree Programmes**Educational Administration**

	Credits
Year I	
Compulsory Courses:	
EDAD701 Theories of Educational Administration	3
EDAD702 Educational Law and Policy Analysis	3
EDAD703 Education and Development	3
EDUC701 Research Methods in Education	3
Required Elective Courses (2 out of 7):	6
EDAD751 Organizational Change and Development in Schools	
EDAD752 Seminar of Social Change and Educational Reforms	
EDAD753 School Administration and Management	
EDAD754 Sociological Analysis of Educational Policy	
EDAD755 Group Dynamics	
EDAD756 Comparative Education	
EDAD757 Special Topics in Educational Administration	
Required Elective Course (1 out of 3):	3
EDUC751 Qualitative Research in Education	
EDUC752 Quantitative Research in Education	
EDUC753 Action Research	
Required Elective Course:	3
1 course from other FED's master programmes	
Year II	
Professional Track:	
1 course from other FED's master programmes	3
EDAD798 Project-based thesis	3
Total Credits:	30
Academic Track:	
EDAD799 Thesis	6
Total Credits:	30

Master's Degree Programmes

Educational Psychology

	Credits
Year I	
Compulsory Courses:	
EDPS701 Educational and Psychological Assessment	3
EDPS702 Psychology of Learning	3
EDPS703 Advanced Developmental Psychology	3
EDUC701 Research Methods in Education	3
Required Elective Courses (2 out of 7):	6
EDPS751 Motivation and Learning	
EDPS752 Psychology of Instruction	
EDPS753 Learning Difficulties and Guidance	
EDPS754 Educational Diagnosis and Interventions	
EDPS755 Behavioral and Social Problems and Guidance	
EDPS756 Teaching Students with Attention Deficit and Hyperactivity Disorder	
EDPS757 Special Topics in Educational Psychology	
Required Elective Course (1 out of 3):	3
EDUC751 Qualitative Research in Education	
EDUC752 Quantitative Research in Education	
EDUC753 Action Research	
Required Elective Course:	3
1 course from other FED's master programmes	
Year II	
Professional Track:	
1 course from other FED's master programmes	3
EDPS798 Project-based thesis	3
Total Credits:	30
Academic Track:	
EDPS799 Thesis	6
Total Credits:	30

FACULTY OF EDUCATION

Master's Degree Programmes

Curriculum and Instruction

	Credits
Year I	
Compulsory Courses:	
EDCI701 Principles of Curriculum & Instruction	3
EDCI702 Curriculum Design & Implementation	3
EDCI703 Evaluation of Curriculum, Instruction and Student Performance	3
EDUC701 Research Methods in Education	3
For students without selected area of concentration:	
Required Elective Courses (2 out of 11):	6
EDCI751 Seminar on Curricular Issues (Subject-based)	
EDCI752 Multimedia Technology in Instructional Design	
EDCI753 Intelligence and Creativity	
EDCI754 Mathematics Learning & Teaching	
EDCI755 Chinese Language Learning & Teaching	
EDCI756 Second Language Learning & Teaching	
EDCI757 Science Learning and Teaching	
EDCI758 Social Studies Learning and Teaching	
EDCI759 Moral Development and Teaching	
EDCI760 Curriculum and Instructional Leadership	
EDCI761 Special Topics in Curriculum & Instruction	
Required Elective Course (1 out of 3):	3
EDUC751 Qualitative Research in Education	
EDUC752 Quantitative Research in Education	
EDUC753 Action Research	
Required Elective:	3
1 course from other FED's master programmes	
For students with selected area of concentration:	
(I) For the concentration of Science Education	
EDCI762 Theories of Science Teaching and Learning	3
EDCI763 Studies on Science Curriculum	3
EDCI764 The Evaluation of Science Teaching and Learning	3
EDCI765 Professional Development of Science Teachers	3
(II) For the concentration of Instructional Technology Education	
EDCI766 Issues in Distance Education	3
EDCI767 Multimedia Design and Practice	3
EDCI768 Trends & Issues in Instructional Technology	3
EDCI769 Integrating Technology for Teaching and Learning	3

(III) For the concentration of Chinese Language Education

EDCI770	Secondary School Chinese Language Curriculum Design and Teaching	3
EDCI771	Topic Studies in Chinese Writing	3
EDCI772	Appreciation and Teaching of Chinese Literature	3
EDCI773	Topic Studies in and Teaching of Language Arts	3

(IV) For the concentration of Mathematics Education

EDCI774	Studies on Mathematics Curriculum	3
EDCI775	Theories of Mathematics Teaching and Learning	3
EDCI776	The Evaluation of Mathematics Teaching and Learning	3
EDCI777	Preparation and Professional Development of Mathematics Teachers	3

(V) For the concentration of English Language Education

EDCI778	Written and Spoken Discourse for English Language Teaching	3
EDCI779	Curriculum Design and Materials Development for English Teachers	3
EDCI780	Pedagogical Grammar for English Language Teachers	3
EDCI781	Teaching Second Language Writing	3

Year II**Professional Track:**

1 course from other FED's master programmes		3
EDCI795	Applied Thesis	3

Total Credits: 30**Academic Track:**

EDCI796	Academic Thesis	6
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Total Credits: 30

FACULTY OF EDUCATION

Master's Degree Programmes**School Counseling**

	Credits
Year I	
Compulsory Courses:	
EDSC701 Theories in Counseling Profession	3
EDSC702 Educational & Psychological Assessment	3
EDSC703 Advanced Counseling Skills	3
EDUC701 Research Methods in Education	3
Required Elective Course (2 out of 5):	6
EDSC751 Career Counseling	
EDSC752 Group Counseling	
EDSC753 Family Counseling	
EDSC754 Abnormal Psychology in Adolescence	
EDSC755 Special Topics in School Counseling	
Required Elective Course (1 out of 3):	3
EDUC751 Qualitative Research in Education	
EDUC752 Quantitative Research in Education	
EDUC753 Action Research	
Required Elective Course:	3
1 course from other FED's master programmes	
Year II	
Professional Track:	
EDSC756 Counseling Practicum I	3
EDSC757 Counseling Practicum II	3
EDSC798 Project-based thesis	3
Total Credits:	33
 Academic Track:	
EDSC799 Thesis	6
Total Credits:	30

Master's Degree Programmes

Physical Education and Sport Studies

	Credits
Year I	
Compulsory Courses:	
EDPE701 Advanced Exercise Psychology	3
EDPE702 Curriculum and Teaching of Physical Education	3
EDPE703 Advanced Exercise Physiology	3
EDUC701 Research Methods in Education	3
Required Elective Courses (2 out of 7):	6
EDPE751 Comparative Physical Education and Sport	
EDPE752 Sports, Recreation and Leisure Studies	
EDPE753 Effective Teaching and Learning in Physical Education	
EDPE754 Exercise and Nutrition	
EDPE755 Sports Sociology	
EDPE756 Physical Activity and Health	
EDPE757 Special Topics in Physical Education and Sport Studies	
Required Elective Course (1 out of 3):	3
EDUC751 Qualitative Research in Education	
EDUC752 Quantitative Research in Education	
EDUC753 Action Research	
Required Elective Course:	3
1 course from other FED's master programmes	
Year II	
Professional Track:	
1 course from other FED's master programmes	3
EDPE798 Project-based thesis	3
Total Credits:	30
Academic Track:	
EDPE799 Thesis	6
Total Credits:	30

FACULTY OF EDUCATION

Master's Degree Programmes**Early Childhood Education and Child Development**

	Credits
Year I	
Compulsory Courses:	
EDEC701 Theories and Studies of Child Development	3
EDEC702 Cognition and Learning in the Early Years	3
EDEC703 Child Play Studies	3
EDUC701 Research Methods in Education	3
EDEC704 Early Childhood Programme Quality Evaluation	3
Required Elective Courses (1 out of 4):	3
EDEC756 Studies on Preschool Inclusion	
EDEC753 Child Language Literacy Development	
EDEC754 Child and Family Education	
EDEC755 Special Topics in Early Childhood Education and Child Development	
Required Elective Course (1 out of 3):	3
EDUC751 Qualitative Research in Education	
EDUC752 Quantitative Research in Education	
EDUC753 Action Research	
Required Elective Course:	3
1 course from other FED's master programmes	
Year II	
Professional Track:	
1 course from other FED's master programmes	3
EDEC795 Applied Thesis	3
Total Credits:	30
Academic Track:	
EDEC796 Academic Thesis	6
Total Credits:	30

Postgraduate Certificate Programmes (Daytime/Evening)

Postgraduate Certificate in Education (Secondary Education)

Year I	Credits
Compulsory Courses:	
EDPC601 Introduction to Education	3
EDPC602 Educational Psychology	3
EDPC608 Counseling and Guidance	3
EDPC615 Teacher Ethics	1
EDPC616 Classroom Assessment	1.5
EDPC617 Information Technology in Education	1.5
EDPC618 Curriculum and Pedagogy (Subject Based)	3
EDPC620 Teaching Practice	2
Required Elective (Choose 6 credits from the following required electives courses):	
EDPC651 Educational Administration	3
EDPC652 Introduction to Special Education	3
EDPC653 Educational Research	3
EDPC654 Sociology of Education	3
Total Credits:	24

Postgraduate Certificate in Education (Primary Education)

Year I	Credits
Compulsory Courses:	
EDPC601 Introduction to Education	3
EDPC602 Educational Psychology	3
EDPC615 Teacher Ethics	1
EDPC616 Classroom Assessment	1.5
EDPC617 Information Technology in Education	1.5
EDPC619 Curriculum and Pedagogy	3
EDPC620 Teaching Practice	2
EDPC621 School Counseling and Guidance	3
Required Elective (Choose 6 credits from the following required electives courses):	
EDPC651 Educational Administration	3
EDPC652 Introduction to Special Education	3
EDPC653 Educational Research	3
EDPC654 Sociology of Education	3
Total Credits:	24

Postgraduate Certificate in Education (Pre-Primary Education)

Year I	Credits
Compulsory Courses:	
EDPC601 Introduction to Education	3
EDPC602 Educational Psychology	3
EDPC615 Teacher Ethics	1
EDPC620 Teaching Practice	2
EDPC622 Health and Care in Early Childhood	3
EDPC623 Early Childhood Development	3
EDPC624 Integrated Learning	3
Required Elective (Choose 6 credits from the following required electives courses):	
EDPC651 Educational Administration	3
EDPC652 Introduction to Special Education	3
EDPC653 Educational Research	3
EDPC654 Sociology of Education	3
EDPC655 Educational Technology in Early Childhood Settings	3
EDPC656 Assessing Young Children	3
EDPC657 Parental Education and Involvement	3
EDPC658 Guidance and Counseling in Early Childhood	1.5
EDPC659 Inclusive Education	1.5
Total Credits:	24

Bachelor's Degree Programmes

Chinese

Year I		Credits
Compulsory Courses:		
EDCB111	History of Chinese Literature and Its Teaching I	3
EDCB112	Modern Chinese Language and Its Teaching	3
EDCB121	History of Chinese Literature and Its Teaching II	3
EDCB122	Teaching and Learning of the Ancient and Modern Chinese Characters	3
EDUC180	Introduction to Education	3
EDUC181	Philosophy of Education	3
General Education Course:		
SAGE102	First-Year Experiential Learning	0
CHIN111/	Chinese Languages and Chinese Communities/	3
CHIN112/	Chinese Language and Chinese Literature/	
CHIN113/	Chinese for Non-Native Speakers I/	
CHIN115/	Chinese for Professional Communication/	
PORT113	Portuguese Language I - Introductory Portuguese	
EELC121/	English II: Introduction to University English 1/	6
EELC122/	English II: Introduction to University English 2/	
EELC131/	English III: Academic English 1/	
EELC132/	English III: Academic English 2/	
EELC141/	English IV: Academic English 3/	
EELC142/	English IV: Academic English 4/	
ENGL112/	Critical Reading and Writing/	
ENGL113	Experiencing Literature in English	
MATH113	Applications of Mathematics in Today's World	3
CISG111/	Computing in Modern Society/	3
EBIS112/	Contemporary Information Systems for Organizations/	
CISG113/	Information Security and Privacy/	
CISG114	Web Technology and Life	
Distribution/Diversity Elective Course:		
2 Distribution/Diversity Elective Courses		6
Total Credits:		39

Year II		Credits
Compulsory Courses:		
EDCB211	Classical Chinese Prose and Its Teaching I	3
EDCB212	Teaching and Learning of the Grammar and Rhetoric of Literary Chinese	3
EDCB221	Classical Chinese Prose and Its Teaching II	3
EDUC280	Theories of Curriculum & Instruction	3
EDUC281	Sociology of Education	3

General Education Course:		
FSHG212/	Cultural Values and Global Justice/	3
FSHG213/	Capitalism and Morality/	
FSHG214/	The Holocaust, Genocide and Human Rights/	
FSHG215	Asian Values and Moral Traditions	
SOCY213/	Environment and Humanity/	3
SOCY214/	Macao in the Global Context/	
SOCY215/	Understanding Population/	
GEGC212	Special Topics in Macao, China and Other Societies	
EDPA211/	Visual and Performing Arts - Visual Art/	3
EDPA212/	Visual and Performing Arts - Drama/	
EDPA213/	Visual and Performing Arts - Music/	
GEGC213	Special Topics in Visual and Performing Arts	
EDPE101	Wellness and Sport Practice	
Free Elective Course:		
2 Free Electives		6
Distribution/Diversity Elective Course:		
2 Distribution/Diversity Elective Courses		6
Total Credits:		36

Year III		Credits
Compulsory Courses:		
EDCB311	Subject-Based Teaching Methods I (Chinese)	3
EDCB312	The Teaching of Chinese Poetry, Lyric and Vernacular Songs	3
EDCB321	Subject-Based Teaching Methods II (Chinese)	3
EDCB322	History of Chinese Thoughts and Education	3
EDUC380	Educational Psychology	3
EDUC381	Integrating IT into Teaching and Learning	3
General Education Course:		
COMM316/	Communicating in a Global Society/	3
ENGB212/	Creativity and Writing: English for a Global Readership/	
GEGC311	Special Topics in Communication	
HIST212/	Global Issues in History and Culture/	3
GEGC211	Special Topics in World Histories and Cultures	
PHYS111/	Physical Science - To Know the Natural Laws around Us/	3
FSTG111/	Exploring the Earth/	
ELEC111/	Electricity and Life/	
CHEM111	Chemistry and Modern Society	
FEDG211/	Wonders in Life Science And Health: Personal Health & Sustainability/	3
ICMS212/	Wonders in Life Science and Health: Biomedical Science/	
FSTG213/	Wonders in Life Science and Health: Environmental Biology/	
PSYC211	Wonders in Life Science and Health: Health Psychology	
Free Elective Course:		
2 Free Electives		6
Total Credits:		36

Year IV		Credits
Compulsory Courses:		
EDCB411	Teaching of Organization of Writing in Secondary School	3
EDCB420	Supervised Teaching and School Experience	6
EDCB421	Analects of Confucius and the Works of Mencius	3
EDUC482	School Counselling and Guidance	3
Free Elective Course:		
3 Free Electives		9
Total Credits:		24

Free Electives *

EDCB150	Life Education
EDCB151	Education and Society in Macao
EDCB152	Multimedia Courseware Design and Development
EDCB153	Photography in Education
EDCB154	Western Classical Music History
EDCB155	Industry of Sports, Leisure and Recreational Activities - An Introduction
EDCB156	Modern Chinese Writing and Its Teaching
EDCB250	Gender and Education
EDCB251	Media Literacy and Citizenship Education
EDCB252	Nurturing Talented and Creative Learner: Know-What, Know-Why and Know-How
EDCB253	Enlightened Early Childhood Education in China
EDCB254	History of Education in the East and the West
EDCB255	Health Care and Massage in PE and Sports
EDCB260	Psychology of Adolescents
EDCB261	Youth Culture
EDCB264	Introduction to Classical Works and Its Teaching
EDCB265	Teaching Writing and Chinese Culture
EDCB352	Educational Policy and Practice in Macao
EDCB353	Civil Examination and Traditional Education in China
EDCB354	Chinese Drama and Aesthetics Education
EDCB355	I Music: Music, Me & the Society
EDCB356	Ancient History Teaching in China
EDCB357	Literature, History and Reading
EDCB358	Modern and Contemporary Chinese Literature and Its Teaching
EDCB452	Topic Studies in The History of Chinese Education
EDCB453	Chinese Literary Criticism and Its Teaching
EDCB454	Ming-Qing Fictions and Its Teaching
EDUC282	Educational Assessment
EDUC382	Educational Administration
EDUC383	Educational Research
EDUC384	Introduction to Special Education
EDUC386	Classroom Management (Secondary)
EDUC483	Teacher Ethics and Teacher Professional Development
VART210	Chinese Culture and Fine Arts

* Students can also choose any courses offered by all bachelor's degree programmes of UM.

FACULTY OF EDUCATION

Bachelor's Degree Programmes**English**

Year I	Credits
Compulsory Courses:	
EDEB111 Introduction to Literary Studies I	3
EDEB121 Introduction to Literary Studies II	3
EDEB122 Language Learning Theories and ELT	3
EDEB123 Describing the Sounds of English	3
EDUC180 Introduction to Education	3
EDUC181 Philosophy of Education	3
General Education Course:	
SAGE102 First-Year Experiential Learning	0
CHIN111/ Chinese Languages and Chinese Communities/	3
CHIN112/ Chinese Language and Chinese Literature/	
CHIN113/ Chinese for Non-Native Speakers I/	
CHIN115/ Chinese for Professional Communication/	
PORT113 Portuguese Language I - Introductory Portuguese	
EELC121/ English II: Introduction to University English 1/	6
EELC122/ English II: Introduction to University English 2/	
EELC131/ English III: Academic English 1/	
EELC132/ English III: Academic English 2/	
EELC141/ English IV: Academic English 3/	
EELC142/ English IV: Academic English 4/	
ENGL112/ Critical Reading and Writing/	
ENGL113 Experiencing Literature in English	
MATH113 Applications of Mathematics in Today's World	3
CISG111/ Computing in Modern Society/	3
EBIS112/ Contemporary Information Systems for Organizations/	
CISG113/ Information Security and Privacy/	
CISG114 Web Technology and Life	
Distribution/Diversity Elective Course:	
2 Distribution/Diversity Elective Courses	6
Total Credits:	39

Year II	Credits
Compulsory Courses:	
EDEB211 Subject-Based Teaching Methods I (English)	3
EDEB212 Survey of English Literature I	3
EDEB213 Introduction to English Grammar	3
EDEB221 Subject-Based Teaching Methods II (English)	3
EDEB222 Survey of English Literature II	3
EDUC280 Theories of Curriculum & Instruction	3

EDUC281	Sociology of Education	3
General Education Course:		
FSHG212/	Cultural Values And Global Justice/	3
FSHG213/	Capitalism And Morality/	
FSHG214/	The Holocaust, Genocide And Human Rights/	
FSHG215	Asian Values And Moral Traditions	
SOCY213/	Environment And Humanity/	3
SOCY214/	Macao In The Global Context/	
SOCY215/	Understanding Population/	
GEGC212	Special Topics in Macao, China and Other Societies	
EDPA211/	Visual and Performing Arts - Visual Art/	3
EDPA212/	Visual and Performing Arts - Drama/	
EDPA213/	Visual and Performing Arts – Music/	
GEGC213	Special Topics in Visual and Performing Arts	
EDPE101	Wellness and Sport Practice	
Free Elective Course:		
2 Free Electives		6
Distribution/Diversity Elective Course:		
2 Distribution/Diversity Elective Courses		6
Total Credits:		42

Year III		Credits
Compulsory Courses:		
EDEB311	Socio-Cultural Aspects Of ELT	3
EDEB321	Creative Ideas In The EFL/ESL Classroom	3
EDEB322	Language And Meaning	3
EDUC380	Educational Psychology	3
EDUC381	Integrating IT Into Teaching & Learning	3
General Education Course:		
COMM316/	Communicating in a Global Society/	3
ENGB212/	Creativity and Writing: English for a Global Readership/	
GEGC311	Special Topics in Communication	
HIST212/	Global Issues in History and Culture/	3
GEGC211	Special Topics in World Histories and Cultures	
PHYS111/	Physical Science - To Know the Natural Laws around Us/	3
FSTG111/	Exploring the Earth/	
ELEC111/	Electricity and Life/	
CHEM111	Chemistry and Modern Society	
FEDG211/	Wonders In Life Science And Health: Personal Health & Sustainability/	3
ICMS212/	Wonders in Life Science and Health: Biomedical Science/	
FSTG213/	Wonders in Life Science and Health: Environmental Biology/	
PSYC211	Wonders in Life Science and Health: Health Psychology	
Free Elective Course:		
2 Free Electives		6
Total Credits:		33

Year IV	Credits
Compulsory Courses:	
EDEB411 Practical Classroom English	3
EDEB420 Supervised Teaching and School Experience	6
EDUC482 School Counselling and Guidance	3
Free Elective Course:	
3 Free Electives	9
Total Credits:	21

Free Electives *

EDEB150	Life Education
EDEB151	Education and Society in Macao
EDEB152	Multimedia Courseware Design and Development
EDEB153	Photography in Education
EDEB154	Western Classical Music History
EDEB155	Industry of Sport, Leisure and Recreation – An Introduction
EDEB250	Gender and Education
EDEB251	Media Literacy and Citizenship Education
EDEB252	Nurturing Talented and Creative Learners: Know-What, Know-Why and Know-How
EDEB253	Enlightened Early Childhood Education in China
EDEB254	History of Education in the East and the West
EDEB255	Health Care and Massage in PE and Sports
EDEB260	Psychology of Adolescents
EDEB261	Youth Culture
EDEB264	Focused English Skills for ELT Teachers: Speaking
EDEB265	English Linguistics and Literature as Resources for Teachers
EDEB266	Teaching Reading and Writing
EDEB267	Teaching Speaking and Listening
EDEB268	Teaching Grammar and Vocabulary
EDEB352	Educational Policy and Practice in Macao
EDEB353	Civil Examination and Traditional Education in China
EDEB354	Chinese Drama And Aesthetics Education
EDEB355	I Music: Music, Me & the Society
EDEB452	Language Testing
EDUC282	Educational Assessment
EDUC382	Educational Administration
EDUC383	Educational Research
EDUC384	Introduction to Special Education
EDUC386	Classroom Management (Secondary)
EDUC483	Teacher Ethics and Teacher Professional Development

* Students can also choose any courses offered by all bachelor's degree programmes of UM.

Bachelor's Degree Programmes

Pre-Primary Education (Pre-Service)

Year I		Credits
Compulsory Courses:		
EDUC180	Introduction To Education	3
EDUC181	Philosophy of Education	3
PPEB121	Early Childhood Development	3
General Education Course:		
SAGE102	First-year Experiential Learning	0
CHIN111/	Chinese Languages And Chinese Communities/	3
CHIN112/	Chinese Language And Chinese Literature/	
CHIN113/	Chinese For Non-Native Speakers I/	
CHIN115/	Chinese For Professional Communication/	
PORT113	Portuguese Language I - Introductory Portuguese	
EELC121/	English II: Introduction to University English 1/	6
EELC122/	English II: Introduction to University English 2/	
EELC131/	English III: Academic English 1/	
EELC132/	English III: Academic English 2/	
EELC141/	English IV: Academic English 3/	
EELC142/	English IV: Academic English 4/	
ENGL112/	Critical Reading And Writing/	
ENGL113	Experiencing Literature In English	
MATH113	Applications of Mathematics In Today's World	3
PHYS111/	Physical Science - To Know The Natural Laws Around Us/	3
FSTG111/	Exploring The Earth/	
ELEC111/	Electricity And Life/	
CHEM111	Chemistry And Modern Society	
CISG111/	Computing In Modern Society/	3
EBIS112/	Contemporary Information Systems For Organizations/	
CISG113/	Information Security And Privacy/	
CISG114	Web Technology And Life	
EDPE101	Wellness And Sport Practice	1
Distribution/Diversity Course:		
4 Distribution/Diversity Elective Courses		12
Total Credits:		40

Year II		Credits
Compulsory Courses:		
EDUC280	Theories of Curriculum & Instruction	3
EDUC281	Sociology of Education	3
MUSC115	Musicianship I	3
PPEB211	Teaching of Fundamental Motor Movement	2
PPEB221	Teaching of Chinese In Kindergarten	3
PPEB224	Children's Mathematical Activities	3
VART115	Visual Art I: Exploration And Discovery	3
General Education Course:		
EDPA211/	Visual And Performing Arts - Visual Art/	2
EDPA212/	Visual And Performing Arts - Drama/	
EDPA213/	Visual And Performing Arts – Music/	
GEGC213	Special Topics In Visual And Performing Arts	
HIST212/	Global Issues In History And Culture/	3
GEGC211	Special Topics In World Histories and Cultures	
FEDG211	Wonders In Life Science And Health: Personal Health & Sustainability	3
FSHG212/	Cultural Values And Global Justice/	3
FSHG213/	Capitalism And Morality/	
FSHG214/	The Holocaust, Genocide And Human Rights/	
FSHG215	Asian Values And Moral Traditions	
SOCY213/	Environment And Humanity/	3
SOCY214/	Macao In The Global Context/	
SOCY215/	Understanding Population/	
GEGC212	Special Topics In Macao, China And Other Societies	
Required Elective Course:		
2 Required Elective Courses		6
Total Credits:		40

Year III		Credits
Compulsory Courses:		
EDUC380	Educational Psychology	3
PPEB311	Social And Cultural Activities	3
PPEB312	Health And Care In Early Childhood	3
PPEB314	English Language Activities	3
PPEB315	Educational Technology In Early Childhood Settings	3
PPEB320	Assessing Young Children	3
PPEB321	Integrated General Studies And Scientific Activities	3
PPEB322	Movement Programme For Young Children	2
PPEB323	Language And Literature For Children	1.5
PPEB324	Inclusive Education	1.5
VART310	Teaching of Visual Art	1.5

General Education Course:		
COMM316/	Communicating in a Global Society/	3
ENGB212/	Creativity and Writing: English for a Global Readership/	
GEGC311	Special Topics In Communication	
Required Elective Course:		
2 Required Elective Courses		6
Total Credits:		36.5

Year IV		Credits
Compulsory Courses:		
MUSC210	Teaching Of Music I	1.5
PPEB410	Guidance And Counselling In Early Childhood	1.5
PPEB411	English Children's Literature	1.5
PPEB420	Supervised Teaching And School Experience	6
Required Elective Course:		
3 Required Elective Course		9
Total Credits:		19.5

Required Elective Courses

EDUC383	Educational Research
EDUC385	Special Education
EDUC483	Teacher Ethics And Teacher Professional Development
MUSC250	Teaching Of Music II
PPEB250	Integrated Creative Activities
PPEB251	Playing And Learning
PPEB252	Parental Education And Involvement
PPEB253	Creative Physical Activities And Equipment For Young Children
PPEB350	Educational Evaluation
PPEB351	Teaching Drama To Young Children
PPEB352	Education Planning And Creation Of Learning Environment
PPEB354	Integrated Learning
PPEB355	Digital Resources Application In Kindergarten
VART211	Visual Art II: Theory And Practice

Free Electives

Year I – Year IV (GPA Counting)		Credits
EDMA101	Basic Musicianship I	2
EDMA102	Basic Musicianship II	2
EDMA103	Basic Musicianship III	2
EDMA110	Music & Culture	2

EDMA111	Music & Mind	2
EDMA112	Introduction to Choral Training I	2
EDMA113	Introduction to Choral Training II	2
EDMA114	Music Games in the Kodaly Method	2
EDMA115	Music Movement for Young Children	2
EDMA116	Introduction to Music	2
EDMA117	20 th Century Music	2
EDMA118	Music Games in the Orff Approach	2
EDMA119	Contemporary Guitar	2
EDMA120	Voice I	2
EDMA121	Voice II	2
EDMA122	Voice III	2
EDMA123	Voice IV	2
EDMA124	Voice V	2
EDMA125	Voice VI	2
EDMA126	Violin I	2
EDMA127	Violin II	2
EDMA128	Violin III	2
EDMA129	Flute I	2
EDMA130	Flute II	2
EDMA131	Flute III	2
EDMA132	Introduction of the 19 th Century Arts and Music	2
EDMA133	Voice and Art Songs Appreciation	2
EDMA134	Classical Music Appreciation I	2
EDMA135	Classical Music Appreciation II	2
EDMA136	Modern Music	2
EDMA137	Music Theory I	2
EDMA138	Music Theory II	2
EDMA139	Music Theory III	2
EDMA140	Piano I	2
EDMA141	Piano II	2
EDMA142	Piano III	2
EDMA143	Piano IV	2
EDMA144	Piano V	2
EDMA145	Piano VI	2
EDAA101	Watercolor Painting: Expression in Light and Color	2
EDAA102	Printmaking	2
EDAA103	Creative Pottery	2
EDAA104	Sculpture: Spatial Art	2
EDAA105	Basic Calligraphy	2
EDAA106	Chinese "Landscape" Painting	2
EDAA107	Creative Graphic Design	2
EDAA108	Digital Graphic Art Workshop	2
EDAA109	Modern Sign Design	2
EDAA110	Appreciation of Western Art	2
EDAA111	Appreciation of Chinese Art	2
EDAA112	Collection and Appreciation of Chinese Painting	2
EDAA113	Introduction to Art	2
EDAA114	Retracing Macao Art and Culture	2

Bachelor's Degree Programmes

Primary Education (Pre-Service)

Year I		Credits
Compulsory Courses:		
EDUC180	Introduction To Education	3
EDUC181	Philosophy of Education	3
EDUC280	Theories of Curriculum & Instruction	3
General Education Course:		
PYEB111	Foundation of Chinese	3
SAGE102	First-Year Experiential Learning	0
EELC121/	English II: Introduction to University English 1/	6
EELC122/	English II: Introduction to University English 2/	
EELC131/	English III: Academic English 1/	3
EELC132/	English III: Academic English 2/	
EELC141/	English IV: Academic English 3/	3
EELC142/	English IV: Academic English 4/	
ENGL112/	Critical Reading And Writing/	3
ENGL113	Experiencing Literature In English	
MATH113	Applications Of Mathematics In Today's World	3
PHYS111/	Physical Science - To Know The Natural Laws Around Us/	3
FSTG111/	Exploring The Earth/	
ELEC111/	Electricity And Life/	3
CHEM111	Chemistry And Modern Society	
CISG111/	Computing In Modern Society/	3
EBIS112/	Contemporary Information Systems For Organizations/	
CISG113/	Information Security And Privacy/	
CISG114	Web Technology And Life	
Required Elective Course:		
2 Required Elective Courses		6
PYEB150/	Physical Education I/	3
MUSC115/	Musicianship I/	
VART115	Visual Art I: Exploration and Discovery	
Distribution/Diversity Course:		
2 Distribution/Diversity Elective Courses		6
Total Credits:		42

Year II	Credits
Compulsory Courses:	
EDUC281 Sociology of Education	3
PYEB211 Subject-Based Teaching Methods (Primary Mathematics) I	3
PYEB212 Theories And Principles For Teaching Primary Mathematics	3
PYEB220 Child Development	3
PYEB221 Subject-Based Teaching Methods (Primary Mathematics) II	3
General Education Course:	
FSHG212/ Cultural Values And Global Justice/	3
FSHG213/ Capitalism And Morality/	
FSHG214/ The Holocaust, Genocide And Human Rights/	
FSHG215 Asian Values And Moral Traditions	
EDPA211/ Visual And Performing Arts - Visual Art/	3
EDPA212/ Visual And Performing Arts - Drama/	
EDPA213/ Visual And Performing Arts - Music/	
GEGC213 Special Topics In Visual And Performing Arts	
EDPE101 Wellness And Sport Practice	
Required Elective Course:	
2 Required Elective Courses	6
PYEB250/ Physical Education II/	3
MUSC125/ Musicianship II/	
VART211 Visual Art II: Theory And Practice	
PYEB350/ Chinese Curriculum And Course Materials In Primary Education/	3
PYEB254 Teaching of English I	
Distribution/Diversity Course:	
1 Distribution/Diversity Elective Course	3
Total Credits:	36

Year III	Credits
Compulsory Courses:	
EDUC380 Educational Psychology	3
EDUC381 Integrating IT Into Teaching And Learning	3
PYEB320 Teaching of Social Studies In Primary Schools	3
General Education Course:	
SOCY213/ Environment And Humanity/	3
SOCY214/ Macao In The Global Context/	
SOCY215/ Understanding Population	
GEGC212 Special Topics In Macao, China and Other Societies	
COMM316/ Communicating in a Global Society/	3
ENGB212/ Creativity and Writing: English for a Global Readership/	
GEGC311 Special Topics In Communication	
HIST212/ Global Issues In History And Culture	3

GEGC211	Special Topics In World Histories And Cultures	
FEDG211/	Wonders In Life Science And Health: Personal Health & Sustainability/	3
ICMS212/	Wonders In Life Science And Health: Biomedical Science/	
FSTG213/	Wonders In Life Science And Health: Environmental Biology/	
PSYC211	Wonders In Life Science And Health: Health Psychology	
Required Elective Course:		
Required Elective Course		3
PYEB253/	Teaching Methods of Chinese In Primary Education/	3
PYEB351	Teaching of English II	
PYEB352/	Guided Chinese Reading And Writing/	3
PYEB353	Teaching of English III	
PYEB354/	Teaching of PE/	3
PYEB355/	Teaching of Music/	
PYEB356	Teaching of Visual Arts	
Distribution/Diversity Course:		
1 Distribution/Diversity Elective Course		3
Total Credits:		36

Year IV		Credits
Compulsory Courses:		
EDUC482	School Counselling And Guidance	3
PYEB411	Teaching of Science And Technology	3
PYEB420	Supervised Teaching And School Experience	6
Required Elective Course:		
2 Required Elective Courses		6
PYEB450/	Guided Reading And Teaching of Chinese Prose And Poetry/	3
PYEB451	Classroom Instruction In English	
Total Credits:		21

Required Elective Courses

EDUC382	Educational Administration
EDUC383	Educational Research
EDUC385	Special Education
EDUC483	Teacher Ethics And Teacher Professional Development
MUSC350	Musicianship III – Orff/Kodaly Music Teaching Methods
PYEB153	Appreciation And Teaching of Children Literature
PYEB154	Thinking And Learning With IT
PYEB155	Teaching of Traditional Chinese Culture
PYEB156	Teaching And Learning National Education
PYEB157	Ways Of Seeing: Drawing As Inquiry

PYEB158	Quality Physical Education
PYEB255	Integrated Activity Teaching And Design For Primary Education
PYEB256	Elementary Mathematics Teaching & Research
PYEB257	Linguistics And Teaching English As A Second Language
PYEB358	Classroom Management
PYEB360	Research In Mathematics Education
PYEB362	Advanced Piano Accompaniment For General Music Classroom
PYEB453	Physical Education III
VART212	Understanding Visual Culture

Free Electives

Year I – Year IV (GPA Counting)		Credits
EDMA101	Basic Musicianship I	2
EDMA102	Basic Musicianship II	2
EDMA103	Basic Musicianship III	2
EDMA110	Music & Culture	2
EDMA111	Music & Mind	2
EDMA112	Introduction to Choral Training I	2
EDMA113	Introduction to Choral Training II	2
EDMA114	Music Games in the Kodaly Method	2
EDMA115	Music Movement for Young Children	2
EDMA116	Introduction to Music	2
EDMA117	20 th Century Music	2
EDMA118	Music Games in the Orff Approach	2
EDMA119	Contemporary Guitar	2
EDMA120	Voice I	2
EDMA121	Voice II	2
EDMA122	Voice III	2
EDMA123	Voice IV	2
EDMA124	Voice V	2
EDMA125	Voice VI	2
EDMA126	Violin I	2
EDMA127	Violin II	2
EDMA128	Violin III	2
EDMA129	Flute I	2
EDMA130	Flute II	2
EDMA131	Flute III	2
EDMA132	Introduction of the 19 th Century Arts and Music	2
EDMA133	Voice and Art Songs Appreciation	2
EDMA134	Classical Music Appreciation I	2
EDMA135	Classical Music Appreciation II	2
EDMA136	Modern Music	2
EDMA137	Music Theory I	2
EDMA138	Music Theory II	2
EDMA139	Music Theory III	2
EDMA140	Piano I	2
EDMA141	Piano II	2
EDMA142	Piano III	2
EDMA143	Piano IV	2
EDMA144	Piano V	2
EDMA145	Piano VI	2

EDAA101	Watercolor Painting: Expression in Light and Color	2
EDAA102	Printmaking	2
EDAA103	Creative Pottery	2
EDAA104	Sculpture: Spatial Art	2
EDAA105	Basic Calligraphy	2
EDAA106	Chinese "Landscape" Painting	2
EDAA107	Creative Graphic Design	2
EDAA108	Digital Graphic Art Workshop	2
EDAA109	Modern Sign Design	2
EDAA110	Appreciation of Western Art	2
EDAA111	Appreciation of Chinese Art	2
EDAA112	Collection and Appreciation of Chinese Painting	2
EDAA113	Introduction to Art	2
EDAA114	Retracing Macao Art and Culture	2

General Education Courses for Undergraduate Students

Year I – Year IV (GPA non-Counting) (Pass/No Pass)	Credits
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EDPE101	Wellness and Sport Practice	1
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Year II – Year IV (GPA non-Counting) (Pass/No Pass)	Credits
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EDPA211	Visual and Performing Arts – Visual Art	2
EDPA212	Visual and Performing Arts – Drama	2
EDPA213	Visual and Performing Arts – Music	2

Year II – Year IV (GPA Counting)	Credits
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FEDG211	Wonders in Life Science and Health: Personal Health & Sustainability	3
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Free Electives for Undergraduate Students

Year I – Year IV (GPA non-Counting) (Pass/No Pass)		Credits
EDMA100	Music Appreciation	1
EDPE110	Physical Education	1
EDPE111	Physical Education – Badminton	1
EDPE112	Physical Education – Basketball	1
EDPE113	Physical Education – Sport Climbing	1
EDPE114	Physical Education – Table Tennis	1
EDPE115	Physical Education – Tennis	1
EDPE116	Physical Education – Squash	1
EDPE117	Physical Education – Korfball	1
EDPE118	Physical Education – Swimming	1
EDPE119	Physical Education – Volleyball	1
EDPE120	Physical Education – Fencing	1
EDPE121	Physical Education – Fitness Exercises	1
EDPE122	Physical Education – Football	1
EDPE123	Physical Education – Bowl	1
EDPE124	Physical Education – Tai Chi Chuan (24 Styles)	1
EDPE125	Physical Education – Long Fist	1
EDPE126	Physical Education – Cudgel	1
EDPE127	Physical Education – Shan Da	1
EDPE128	Physical Education – Long Fist and Tai Chi Chuan 24 Styles	1
EDPE129	Physical Education – Aerobic Dance	1
EDPE130	Physical Education – Social Dance	1

Course Description

EDAA101 WATERCOLOR PAINTING: EXPRESSION IN LIGHT AND COLOR & CULTURE

In our daily life, our eyes constantly keep in touch with the colors and images of nature, which are often internalized to blend with our experiences and values associated with them. Watercolor painting often uses color and light effect to convey impressions of the beauty of nature as seen and felt by the artist. The course aims to equip the students with the basic skills of watercolor painting to express their feelings toward natural objects and subsequently develop a good rapport with them.

Pre-requisite: None

EDAA102 PRINTMAKING

Printmaking originated from Chinese woodcut duplication and later got developed in Europe. Printmaking methods include: woodcut, intaglio printing, relief printing, silkscreen process, engraving, etching, etc. The course aims to equip the students with the knowledge of the history/methods of printmaking and with the basic skills of intaglio/relief printmaking to express/represent the sense of continuity and the point of interest in objects.

Pre-requisite: None

EDAA103 CREATIVE POTTERY

Modern pottery has become a creative art form with practical as well as aesthetic values. The course aims at equipping the students with the knowledge and skills of pottery-making to express through adoption of traditional pottery-making techniques in creating artifacts the aesthetic interest and taste of contemporary man and to make it part of their aesthetic life.

Pre-requisite: None

EDAA104 SCULPTURE: SPATIAL ART

Sculpture employs specific artistic languages expressed in different media to express the aesthetic ideology and *zeitgeist* of different ages. The course aims to equip the students with the basic skills of clay-sculpturing to feel the life of clay & understand its aesthetic values.

Pre-requisite: None

EDAA105 BASIC CALLIGRAPHY

Calligraphy is a popular art form which has been being practiced for ages in all civilized places. Different calligraphic styles evolve different space composition concepts and strategies. The course aims (1) to familiarize the students with the history and style of different calligraphic works from China; (2) to provide them with adequate knowledge to understand and appreciate calligraphic art works; and (3) to equip them with the basic skills for calligraphic writing. Through practicing calligraphy the students are in a better position to understand the *literati* calligraphy and the relationship between calligraphy and painting.

Pre-requisite: None

EDAA106 CHINESE "LANDSCAPE" PAINTING

Chinese "landscape" painting is a unique art form for representation of nature and expression of man's sentiments toward and of nature. It makes use of the properties of ink to spontaneously represent nature and to reveal the spirit of nature. The course aims not only to familiarize the students with representative art works of Chinese "landscape" painting and its culture, but also to equip them with the basic skills to represent the beauty of nature in painting.

Pre-requisite: None

EDAA107 CREATIVE GRAPHIC DESIGN

Graphic design is one of the most popular forms of art practice. It exists in our life, functioning as an ornamental or "identification" medium of visual meaning transmission. The course aims at teaching the students the principles of graphic design through design exercises (logo,

publication & packaging) and cultivating their ability in multi-dimensional thinking.

Pre-requisite: None

EDAA108 DIGITAL GRAPHIC ART WORKSHOP

The rapid development of communication technology and the application of new technological media to modern art production have been broadening our vista and deepening our knowledge of art. The course operates in the form of art workshop and aims at equipping the students with the skills in employing digital photography and net technology for visual product design.

Pre-requisite: None

EDAA109 MODERN SIGN DESIGN

In an information-laden age, with ever-increasing life tempo and ever-varying way of communication, *sign* in modern times as a symbolic representation of information transmission is an integrative product of design and culture, communication and marketing. The course aims at equipping the students with the knowledge (theoretical, social and technical) and the basic skills for sign-designing to help them develop their creativity and expressive ability.

Pre-requisite: None

EDAA110 APPRECIATION OF WESTERN ART

Western art is a systematically-integrated synthetic product of Western history, culture, thinking, etc. manifest in its long process of societal development. In Western civilization, art and beauty are intimately related, though every era identifies itself with a distinct aesthetics corresponding to its *zeitgeist*. The course aims to help the students, through appreciation and contemplation of Western art works from different eras, elevate their spiritual level, enhance their sensitivity to emotional and moral values as well as acquire better understanding of Western art in relation to art schools and their cultural content.

Pre-requisite: None

EDAA111 APPRECIATION OF CHINESE ART

Chinese art since the ancient times has, with its unique cultural richness, long become a product of people's life and spirit. The course aims to develop the students' ability in art appreciation by means of analyzing the historical, social and cultural meanings of art works from different periods.

Pre-requisite: None

EDAA112 COLLECTION AND APPRECIATION OF CHINESE PAINTING

The collection and appreciation of ancient Chinese painting is an elegant cultural activity with high social status. It needs breadth of cultural knowledge and passion for cultural heritage. The course aims to enable the students to understand the pattern and décor in as well as the literary and historical values of past famous paintings by analyzing them in light of authenticity and stylistic idiosyncrasy, which will hopefully draw their attention to the importance of cultural preservation.

Pre-requisite: None

EDAA113 INTRODUCTION TO ART

Art education deeply influences man's behavior — "beauty" and art not only improve the quality of spiritual life, but also mold the temperament of man's character, which will result in better understanding of the art of art appreciation.

Pre-requisite: None

EDAA114 RETRACING MACAO ART AND CULTURE

Prehistoric archeological findings reveal that the history of Macao can be traced back to more than six millennium ago. Artifacts and art works of the Stone Age, the Bronze Age and the Early Iron Age unearthed in Macao provide us with valuable information of prehistoric Macao and enable us to reconstruct the long cultural history of Macao. From the artistic heritage of Macao, we come to understand its contribution in Sino-West trade and culture. Through studying its

works of art, we can develop cross-disciplinary learning methods to equip the students with dynamic and cultural perspectives of art education.

Pre-requisite: None

EDAD701 THEORIES OF EDUCATIONAL ADMINISTRATION

This course addresses concepts, theories and current developments in educational administration. Educational organizations and their leadership, motivation, communication and decision making, as well as their development and effectiveness are examined.

Pre-requisite: None

EDAD702 EDUCATIONAL LAW AND POLICY ANALYSIS

This course addresses Educational laws, regulations and policies. The impacts of these laws, regulations and policies upon schools are analysed and examined. Students are encouraged to make suggestions about how to revise some Macao educational laws and policies.

Pre-requisite: None

EDAD703 EDUCATION AND DEVELOPMENT

This course emphasizes on application of theories in Social Sciences to education and socio-economic development. Issues of discussion include: human capital theory, equality of opportunities, modernization, dependency theory, cultural imperialism, integration of the capitalist world system, and postmodernism.

Pre-requisite: None

EDAD751 ORGANIZATIONAL CHANGE AND DEVELOPMENT IN SCHOOLS

This course is a critical analysis of theoretical and practical aspects of organizational change and development in education. Various perspectives and strategies innovated and used by educational institutions to cope with organizational change and enhance development will be introduced. In-depth case analysis will be provided to illustrate applications of strategies of school effectiveness, school-based management, and organizational innovation.

Pre-requisite: None

EDAD752 SEMINAR OF SOCIAL CHANGE AND EDUCATIONAL REFORMS

This course looks at educational institutionalization and re-institutionalization through the lens of social change over time. First of all, it will trace the social origins and social constructions of modern educational systems since the Protestant Reformation came into effect in the 16th-century Europe. Secondly, it will focus much more attention on the landmarks of educational expansions and ameliorations around and after World War II. And finally, special efforts will be directed to issues of education in a so-called individualized society of late-capitalism in early 21st century. Scholars with specialties in related topics of this course will be invited to give talks and interchange with the class.

Pre-requisite: None

EDAD753 SCHOOL ADMINISTRATION & MANAGEMENT

The course covers the practical aspects of school administration and management, with emphasis on personnel, finance and other resources, in order to equip students with a system of strategies for school expansion, leadership, administration, public relations, professional development and parental participation.

Pre-requisite: None

EDAD754 SOCIOLOGICAL ANALYSIS OF EDUCATIONAL POLICY

This course focuses on a sociological study of the formulation of educational policy, taking into account historical, political, economic, social, cultural and religious factors, and analyzes the process of educational policies being transformed into law and action plans.

Pre-requisite: None

EDAD755 GROUP DYNAMICS

This course aims to help student teachers explore, from a socio-psychological aspect, the dynamics of teaching and learning in classrooms and schools as groups, norms and expectations, integration and disintegration, cooperation and conflicts, etc, and the possible ways to generate group dynamics through communication and coordination.
Pre-requisite: None

EDAD756 COMPARATIVE EDUCATION

While many of the educational practices are considered embedded in local context, there is increasing volume of conversations on educational issues globally. This course will take students to examine a series of critical educational issues from an international and comparative lens. Students will join the discussion on topics such as: accountability movement in educational management, globalized educational standard, teacher professional development, global education development agenda such as Education For All, etc. The aim of this course is to connect students with educational development discourse globally. The instructor will help students to develop awareness and critical thoughts of on-going debate related to educational equality, efficiency, and excellence.

Pre-requisite: None

EDAD757 SPECIAL TOPICS IN EDUCATIONAL ADMINISTRATION

This graduate level course covers the current and new topics, new trends, and new research findings, in the area of educational administration. The actual topics may differ as this course is offered at different times, to reflect the new developments and directions of this field. The graduate level course will expose the students to the new thoughts, new developments, more recent research and practice in the area of educational administration.

Pre-requisite: None

EDCB111 中國文學發展與教育 I**HISTORY OF CHINESE LITERATURE AND ITS TEACHING I**

本科主要介紹先秦兩漢至隋唐這段歷史時期重要的文體（詩、散文、賦、樂府、駢文等）特點、文學流派、文論發展、名家作品等，說明文學與思想、政治、社會等關係，並教授學生如何蒐集相關的文、論材料，編寫教材，選用適當的教學法，以便將來能在中學教學實踐中靈活正確運用。

先修科目：沒有

EDCB112 現代語文與教育 MODERN CHINESE LANGUAGE AND ITS TEACHING

本科旨在切合澳門現行中學語文教學的內容和要求。教學內容以中學課程教學需要為導向，即字、詞、句的講解，以及語法和修辭的分析。內容除通論現代漢語的基本知識外，並簡述邏輯與語文的關係，培養學生的語文思維能力，藉以提高學生在語文教學方面的能力。

先修科目：沒有

EDCB121 中國文學發展與教育 II**HISTORY OF CHINESE LITERATURE AND ITS TEACHING II**

本科主要介紹宋元明清這段歷史時期重要的文體（詞、曲、戲劇、小說、新文體）特點、文學流派、文論發展、各家作品等，並說明文學與思想、政治、社會等關係，並教授學生如何蒐集相關的文、論材料，編寫教材，選用適當的教學法，以便將來能在中學教學實踐中靈活正確運用。

先修科目：沒有

EDCB122 古今漢字的教與學**TEACHING AND LEARNING OF THE ANCIENT AND MODERN CHINESE CHARACTERS**

漢字是漢語的基本單位，是形音義結合的符號體系，故本科將從歷史發展的角度，考察漢字字形、字音、字義的變遷，講授漢字的性質、特點和結構，以及漢字簡化等問題，以增進學生對漢字的理解。又文言以一字一詞為主，故本科亦將講授文言詞彙的基本知識，以配合中學古詩文教學的需

要。

先修科目：沒有

EDCB150/EDEB150 生命教育 LIFE EDUCATION

Life education is to explore the fundamental life issues based on the content of life wisdom. Why do people live? How should people live? How can they live out the values of life? These three fundamental questions about life are the core issues of life education. This course guides students to explore important life values and moral topics through critical thinking and reflection in order to figure out the meaning of life. In addition to the sentiments of humanistic arts, gratitude and service, life education also includes areas like life philosophy, life and death, religious beliefs, moral thoughts, spiritual developments, etc. With systematic exploration and experiences for these important life issues under the framework of East and West cultural thoughts, this course aims to help students construct a world vision, a complete life philosophy and correct values.

Pre-requisite: None

EDCB151/EDEB151 澳門教育與社會 EDUCATION AND SOCIETY IN MACAO

This course is designed to help students to reflect on the social and education system of Macao since the foundation of New China in 1949. By applying sociological and political concepts and theories, the course will analyse the discourses and development experiences of Macao. The course materials will be based on the accumulated research findings and publications related to the said period. It is intended to help students to have a broader and more penetrating understanding of Macao society and its educational system.

Pre-requisite: None

EDCB152/EDEB152 多媒體課件設計及發展

MULTIMEDIA COURSEWARE DESIGN AND DEVELOPMENT

This course deals with the basic principles and practice of design and development of multimedia courseware based on the latest development in Information Technology. Specifically, participants will identify, analyse instructional problems, design and develop learning environments and courseware aids. Participants are also encouraged to design, develop, implement and evaluate their courseware.

Pre-requisite: None

EDCB153/EDEB153 攝影教育 PHOTOGRAPHY IN EDUCATION

In contemporary culture, the practice and use of photographs has been vital in everyday life and in education. This course will help students understand some photographic work from the early 19th century to the present day, each of which was taken with a unique approach and perspective. Students will undergo a series of workshops, taking snapshots of everyday life and exploring the role of photography in relation to education and aesthetics in the modern world.

Pre-requisite: None

EDCB154/EDEB154 西洋古典音樂史 WESTERN CLASSICAL MUSIC HISTORY

This course aims at providing an advanced discussion of the styles, characteristics and historical development of the different eras from the 8th century to the 19th century in western classical music history. The focus of the course is on the aesthetic analysis of music literature, famous composers' masterworks and different compositional styles. Understanding the development of notation will provide students with a better idea of how musical concepts have influenced the development of characteristics identified in each era in history. By the close of the semester, students will have a solid understanding of the development of western classical music.

Pre-requisite: None

EDCB155/EDEB155 運動、休閒與娛樂事業導論**INDUSTRY OF SPORT, LEISURE AND RECREATIONAL ACTIVITIES - AN INTRODUCTION**

Sports and its related development in leisure and recreation attract attention due to its intrinsic connection to personal growth, health improvement and social development. Bidding of mega sport events, building of sport tourism, planting of jogging and bicycle tracks in city, promotion of health related sport projects in community and planning of sport and recreational centres are examples of the contemporary development of sports. This course aims at bringing students basic understandings of sport, leisure and recreation as an industry, with an emphasis on the following strands: structure and organisation; activity types and international development; economic prospects, demand and supply, management, sport market and services; social change and customer behaviour; national, city and community planning; and careers and job nature in the industry of sport, leisure and recreation. The related theories, elements of developmental background and trends are the basic content of the study. Teaching will be conducted from an interactive perspective, with field trips, project works and visits as the major learning activities.

Pre-requisite: None

EDCB156 現代中文寫作與教學 MODERN CHINESE WRITING AND ITS TEACHING

本科旨在通過有目的的寫作訓練，有效地提高學生書面語言的表達能力；也在於培養學生審美情趣、發展健康個性、形成健全人格。本科教學內容包括：培養學生觀察與感受生活能力、閱讀能力、聯想能力和語言能力。此外，並指導學生就現代中文寫作，編寫教材，採用合適的教學法，以便日後在教學實踐中靈活正確運用。

先修科目：沒有

EDCB211 歷代散文與教育 I CLASSICAL CHINESE PROSE AND ITS TEACHING I

本科旨在講述中國歷代散文（古文）的意義、特色與演變概況；揭示學習古文的目的與教育作用；從《昭明文選》、《古文觀止》等古文總集中，擷取自先秦至東漢各朝代的著名古文篇章，尤其是富有教育意義的為教材，引導學生在課堂講解、研讀與小組討論，以培養學生對古文的認知，養成閱讀古文的興趣，充實教授古文的能力。

先修科目：沒有

EDCB212 文言語法修辭教與學**TEACHING AND LEARNING OF THE GRAMMAR AND RHETORIC OF LITERARY CHINESE**

本科旨在切合澳門現行中學文言教學的內容和要求。教學內容以中學課程教學需要為導向，講授文言語法和修辭的基本知識，並注重培養學生講授文言語法和修辭知識的能力。文言修辭與文字、音韻、詞彙、語法、訓詁相關聯，故本科有助學生提高學生閱讀和欣賞古詩文的能力。

先修科目：沒有

EDCB221 歷代散文與教育 II CLASSICAL CHINESE PROSE AND ITS TEACHING II

本科旨在闡述中國歷代散文（古文）的朗讀技巧與研習方法；辨析古代散文與現代散文的區別；從《昭明文選》、《古文觀止》等古文總集中，擷取自魏晉六朝至明清各朝代的著名古文篇章，尤其是富有教育意義的為教材，引導學生在課堂施以範文講解、研讀與小組討論，以增進學生對古文的認知，提升研讀古文的興趣，增強教授古文的能力。

先修科目：沒有

EDCB250/EDEB250 性別與教育 GENDER AND EDUCATION

This course aims to provide students with an overview of topics, controversies, and positions on the role of gender in education and to examine with students issues, research, theory and policy on gender and education from a historical, political and contemporary perspective. With reference to their personal experiences and observations, students will examine intersections of

gender with class and ethnicity in different social mechanisms through which the patterns of educational inequality are changed or reproduced. Students will also discuss implications for gender research in school achievement, peer interaction and socialisation, teacher-student interactions, hidden curriculum, knowledge production and distribution in higher education, divisions in schooling across cultures and teaching as work. More generally, gender effects in socialisation and schooling are analysed for their implications for individuals, society and culture.

Pre-requisite: None

EDCB251/EDEB251 媒體素養和公民教育
MEDIA LITERACY AND CITIZENSHIP EDUCATION

This course aims to develop the critical abilities that make for literate media consumers. The increasing pervasiveness of Western popular culture via all forms of media around the world has brought immense impacts on how we produce ourselves socially in relation to our own lived experiences and desires as well as on how these identities may be perceived by others in relation to their own practices of consumption. In this context, this course will consider the wider pedagogical implications of popular culture in terms of the production and distribution of media texts and how we consume and respond to them.

Pre-requisite: None

EDCB252/EDEB252 培養具才華和創意的學習者：懂得是甚麼、為何、怎樣
NURTURING TALENTED AND CREATIVE LEARNERS:
KNOW-WHAT, KNOW-WHY AND KNOW-HOW

The course introduces structures, functions, power and plasticity of the human brain, emphasising the interplay between nature and nurture for the lifetime development of the human mind. Based on recent advances in biology, cognitive psychology, neuropsychology and anthropology, contemporary intelligence and creativity theories (e.g. theorists like Sternberg, Gardner, Csiksentmihalyi, amongst others) are then expounded. A century of assessment research on intelligence and creativity will be elucidated, highlighting the major paradigm shifts therein. Participants are empowered to design environments and activities undertaken within cultural contexts for nurturing talented and creative learners in the 21st century.

Pre-requisite: None

EDCB253/EDEB253 中國啟蒙教育
ENLIGHTENED EARLY CHILDHOOD EDUCATION IN CHINA

本科旨在講解中國歷代啟蒙教育（兒童教育）的意義與時代作用；揭示歷代啟蒙教育的發展概況，介紹歷代著名啟蒙教材，如《三字經》、《百家姓》、《千字文》、《千家詩》、《弟子規》、《聲律啟蒙》等，引導學生研讀與討論，從而探討啟蒙教育的教學目標、教學理論、教學方法，藉以古為今用，推陳出新；並養成學生對啟蒙教育的認知與興趣，充實教授啟蒙教育的能力。

先修科目：沒有

EDCB254/EDEB254 中外教育史
HISTORY OF EDUCATION IN THE EAST AND THE WEST

This course aims to discuss the important events, educational thoughts and systems in the history of education in China and the West. The related political, social, economic and cultural contexts will be analysed for an interpretation of the background and development of each era and stage in history. This course will allow students to understand how educational activities evolved in history and to learn from the experiences and thoughts advocated by educators in the past.

Pre-requisite: None

EDCB255/EDEB255 體育保健與運動按摩**HEALTH CARE AND MASSAGE IN PE AND SPORTS**

This course, which combines medical health care with exercise science, offers the basic knowledge as well as the skills essential for the prevention, evaluation and treatment of common injuries in the care of physically active individuals. Topics such as physical measures, medical supervision in sports, hygiene in youth and females, prevention and treatment of sports injuries, sports massage and medical sports will be introduced. This class also emphasises hands-on experiences and the need for students to develop their practical skills. Upon completion of this course, students should be able to become familiar with the concepts and basic medical knowledge relevant to sports, to know how to prevent and treat common sports injuries and to apply what they have learnt in physical fitness and ways of recovery from exercise fatigue.

Pre-requisite: None

EDCB260/EDEB260 青少年心理 PSYCHOLOGY OF ADOLESCENTS

This course aims to help educators understand the characteristics of adolescents from psychological points of view. It covers the following topics: the emergence of adolescence, classic and contemporary theories, physiological and sexual development, intellectual and cognitive development, self-concept and identity formation, emotional adjustment, moral development, peer and friendship group, socialised anxiety, views on work, life, marriage and family, and adolescent problems related to parenting, schooling and social change. Lectures, group discussions, reading assignments and research projects are employed to equip pre- and in-service teachers with professional insights into the psychological well-being of teenagers (aged 10 to 18, senior primary to high school years).

Pre-requisite: None

EDCB261/EDEB261 青少年文化 YOUTH CULTURE

This course aims to provide students with a variety of perspectives on youth culture so that students could have a better understanding of not only activities of the youth but also how the youth and their activities are represented and thus perceived by the general public. Students will be engaged in debates over how youth culture is interpreted. How far could it be seen as part of national culture, although it seems peculiar to a particular age group of a nation? How far could youth culture be seen as a subculture? And, if so, in what ways should youth culture be regarded as deviance, mass culture, resistance (or counter-culture), or a social movement? And how do capitalism and globalisation impact on youth culture? Relevant concepts and theories will provide students with insights into examining youth culture in Macao and evaluating existing Macao youth policies.

Pre-requisite: None

EDCB264 古籍導讀與教學**INTRODUCTION TO CLASSICAL WORKS AND ITS TEACHING**

本科對四部 (經、史、子、集)作綜合性的講述和介紹，選擇若干重要的古籍作進一步評析，增強學生閱讀古籍的基本知識，並教授學生如何把所學知識靈活運用在教學中，以便對將來教學實踐有幫助。

先修科目：沒有

EDCB265 寫作教學與中華文化 TEACHING WRITING AND CHINESE CULTURE

本科旨在協助學生了解進行寫作教學的基本原則和方法，認識與寫作教學有關的中華文化內涵，通過教導寫作與中華文化之關係，使學生明瞭如何提升寫作技巧和內容，為日後在中學教授中文課程作出準備。

先修科目：沒有

EDCB311/EDCB321 學科教學法I及II (中文)**SUBJECT-BASED TEACHING METHODS I & II (CHINESE)**

本課程旨在將理論與實踐結合，使學生增加和深化中文教學專業知識。掌握教學理論和方法，因

應不同情況，採用適當方式，引導他人用心學習。

先修科目：沒有

EDCB312 詩詞曲賞析與教學

THE TEACHING OF CHINESE POETRY, LYRIC AND VERNACULAR SONGS

本科旨在講授中國古代韻文——詩、詞、曲——的意義、特點、形式與異同；以唐宋詩詞、元曲為主要教材；就作品的題材、意境、情韻、寫作技巧等詳加闡釋，引導學生賞析與研習；促使每個學生寫作詩、詞、曲各一首，並在課堂上演示，以收理論與實踐相結合之效，藉以培養學生教授詩、詞、曲的學養，以及日後擔任教師的教學能力。

先修科目：沒有

EDCB322 中國思想與教育 HISTORY OF CHINESE THOUGHTS AND EDUCATION

本科旨在使學員掌握中國思想的基本特質和義理及其與教育的關係。教學重點包括：先秦儒家思想、墨子思想、法家思想、老莊哲學、兩漢思想、隋唐佛學和宋明理學。本科並著重探討如何把傳統中國思想經過批判的繼承與創造的詮釋，使之以能與教育思潮進行檢討與反省。

先修科目：沒有

EDCB352/EDEB352 澳門教育政策與社會發展

EDUCATIONAL POLICY AND PRACTICE IN MACAO

This course aims to broaden and deepen students' understanding of the Macao education system from a policy study perspective. Students are provided with analytical tools to comprehend and examine educational policies and their implementation from the political transition period to the post-1999 era. The course begins with a brief historical background of Macao developments and the empirical analysis of policies will start from the 1991 Law 11/91/M and extend to the post-1999 Chief Executive Annual Policy Address.

Pre-requisite: None

EDCB353/EDEB353 科舉與中國教育

CIVIL EXAMINATION AND TRADITIONAL EDUCATION IN CHINA

科舉制度是設立科目進行考試、用以選拔官吏的制度，實行共約一千三百年，對中國政治、經濟和社會各層面產生深刻的作用。到了清末，隨著西力東漸和國力不振的環境下，科舉制度終於被新式學堂所取代。學員在完成本課程後，對科舉與中國教育的緊密關係將能更全面地把握，並明瞭其對中國教育所造成的巨大影響。本課程亦就科舉制度與中國政治、社會流動、廢科舉興學堂的過程和影響予以深入探討，讓學員瞭解中國社會文化變遷的核心因素。

先修科目：沒有

EDCB354/EDEB354 中國戲劇與美育

CHINESE DRAMA AND AESTHETICS EDUCATION

本科擬從中國戲劇美學的基石——儼文化的猗猗美、英雄美和風俗美人手，廣泛涉及中國戲劇的和諧美、喜劇美、悲劇美、程式美、音樂美以及舞臺美。從優秀作品的美學鑒賞，到戲曲表演體制及美學體系等方面進行講述。通過本科的學習，使學生對中國文化、中國藝術的美育內涵有深入地瞭解，加深對中國戲曲巨大魅力的認識，從而提高他們的美育鑒賞水準和藝術評論的能力。

先修科目：沒有

EDCB355/EDEB355 我音樂：音樂、我、與社會 I MUSIC: MUSIC, ME, & THE SOCIETY

This course aims to provide an overview of the multi-functional role of music from the socio-cultural and psychological perspectives. The course content includes identifying, analysing and experiencing different forms of musical events and exploring issues related to education, entertainment, music instruments, performing groups, concerts, music & IT, music styles applied to different contexts, mood management and music business. The course will help students see the value and meaning of music in Macao as well as in other cultures.

Pre-requisite: None

EDCB356 中國古代歷史教育 ANCIENT HISTORY TEACHING IN CHINA

本科以培養學員掌握中國古代傳授和傳播歷史知識和觀念的活動為重心。課程以中國歷史教育發展的興衰為主線，並就歷史教材與歷史讀物、門閥政治與歷史教育、科舉考試與歷史教育、蒙學教育與歷史教育等方面作出較深入的探索。在完成本課程後，學員將對歷史教育的價值與貢獻有更全面的認知。

先修科目：沒有

EDCB357 文史通論與閱讀教學 LITERATURE, HISTORY AND READING

本科旨在協助學生了解文史基本範疇相關知識與閱讀教學之關係，使學生明瞭閱讀教學之要點，認識如何在文史基礎上配合閱讀教學，為日後在中學教授中文課程作出準備。

先修科目：沒有

EDCB358 中國現當代文學作品與教學**MODERN AND CONTEMPORARY CHINESE LITERATURE AND ITS TEACHING**

本科在於通過教學，使學生掌握中國現當代文學發展的過程；瞭解其間部分重要作家的創作概況，熟悉並掌握他們代表作的思想及藝術特色；要求學生通過分析評述，提高對現當代文學作品的評判和鑒賞能力，加深學生對中國優秀文化的認識和理解。本科主要教授中國現當代重要作家的著名作品。此外，並指導學生就該等作品，編寫教材，採用合適的教學法，以便日後在教學實踐中靈活正確運用。

先修科目：沒有

EDCB411 中學中文章法教學**TEACHING OF ORGANIZATION OF WRITING IN SECONDARY SCHOOL**

本科旨在揭示中文章法的意義與特色；闡釋章法學的地位與價值，介紹各類章法：「正襯類章法」、「因果類章法」、「知覺類章法」、「空間類章法」、「虛實類章法」、「凡目類章法」等；說明中學中文章法教學之道，引導學生對各類章法論述、研讀與探討，以養成學生對中學中文章法教學的認知與興趣，充實教授中學中文章法的能力。

先修科目：沒有

EDCB420/EDEB420/PPEB420/PYEB420**教學實踐****SUPERVISED TEACHING AND SCHOOL EXPERIENCE**

Placing student teachers in the actual classrooms of various Macao secondary schools for teaching practice and hands-on experience is an important component of teacher training and teacher education as well as a necessary step for them to develop from student teachers to frontline classroom teachers. There is regular and close supervision from FED supervisors, who will see to it that TP students demonstrate competence and efficiency to meet the needs of their pupils by applying what they have learned over the years. Capable and experienced teachers in these schools are appointed to help as tutors/mentors and work in close collaboration with FED lecturers to provide guidance and pastoral care. Through regular meetings, detailed discussions and assessment during the process, student teachers are expected to make observable progress.

Pre-requisite: None

EDCB421 論孟與教育 ANALECTS OF CONFUCIUS AND THE WORKS OF MENCIOUS

本科旨在使學員把握論語與孟子的基本研究方法和義理。教學重點包括：孔孟的思辨方法、教育思想、人文精神、人性本質、生命理想及德性實踐。課程著重從論語與孟子的文獻中，擷取重要篇章，加以詮釋，抉發其深義，以使學員對孔孟的儒學思想和教育精神有如實的理解與真切的體驗。

先修科目：沒有

EDCB452 中國教育史專題**TOPIC STUDIES IN THE HISTORY OF CHINESE EDUCATION**

本科以培養學員掌握中國教育史各個主要領域的知識為主。課程以專題方式進行，主要包括儒家教育思想、官學制度、考試制度、書院與蒙學、西式教育的傳播及澳門教育史等專題的深入探討。在完成本課程後，學員當能較全面掌握中國教育發展的特徵和面貌。

先修科目：沒有

EDCB453 文學評論與教學 CHINESE LITERARY CRITICISM AND ITS TEACHING

本科旨在介紹中國文學的傳統批評理論和文學批評的目的、意義、方法，揭示現代的批評理論，培養學生就作家、作品、文學創作和文學現象加以評論的能力。此外，並指導學生就文學評論等議題，編寫教材，採用合適的教學法，以便日後在教學實踐中靈活正確運用。

先修科目：沒有

EDCB454 明清小說與教育 MING-QING FICTIONS AND ITS TEACHING

本科旨在讓學生通過閱讀、講解和分析，對明清小說的主要作品加深認識，為把小說作為教學材料運用做準備，相關的教學技巧的亦會講授，使學生能應付日後在中學教授中文課程之用。

先修科目：沒有

EDCI701 PRINCIPLES OF CURRICULUM AND INSTRUCTION

This course aims to provide an overview on the principles and theories of curriculum and instruction. The introduction of these theories and principles provides learners a broad perspective on the basic curriculum questions regarding the purposes, content, design, and structure of educational programmes as well as learning and teaching theories and the relationship between the two.

Pre-requisite: None

EDCI702 CURRICULUM DESIGN AND IMPLEMENTATION

This course intends to equip learners with the theories and practical skills of designing curriculum and managing curriculum change. The present curriculum design and implementation process in schools/Macao will be discussed and analyzed. Curriculum theories, design, and implementation experiences from other countries/places and possible adaptation will also be explored.

Pre-requisite: None

EDCI703 EVALUATION OF CURRICULUM, INSTRUCTION, AND STUDENT PERFORMANCE

This course seeks to equip learners with strategies and techniques used in the evaluation of curriculum programmes, instruction, and student performance. The assumptions, strengths, and weaknesses associated with various strategies will be critically analyzed. Learners work through evaluation problems related to particular curriculum programmes and instructional techniques; and develop assessment tools appropriate to their teaching assignments. Special attention is given to authentic assessment, performance assessment, portfolios, self-evaluation, and cooperative assessment.

Pre-requisite: None

EDCI751 SEMINARS ON CURRICULAR ISSUES (SUBJECT-BASED)

This weekly 3-hour seminar explores current global issues of curriculum, instruction and learning in the subject areas of Chinese, English and Mathematics. In addition, emergent issues of curriculum, instruction and learning in these three subject areas in Macao, China, Taiwan, and Hong Kong will also be discussed.

Pre-requisite: None

EDCI752 MULTIMEDIA TECHNOLOGY IN INSTRUCTIONAL DESIGN

This course provides the learners with basic principles and practice in design, development, and

production of multimedia instructional material through multimedia laboratory and computerized video editing studio.

Pre-requisite: None

EDCI753 INTELLIGENCE AND CREATIVITY

This course covers contemporary theories of intelligence, intellectual development and creativity, and their implications for educational practices and psychological research.

Pre-requisite: None

EDCI754 MATHEMATICS LEARNING & TEACHING

Based on Mathematics learning and teaching theories and research findings, the course aims to help student teachers study the basic knowledge of the subject, teaching and learning strategies, methods of assessment and the application of technology in Mathematics teaching and learning.

Pre-requisite: None

EDCI755 CHINESE LANGUAGE LEARNING & TEACHING

Based on Chinese Language learning and teaching theories and research findings, the course aims to help student teachers study the basic knowledge of the subject, teaching and learning strategies, methods of assessment and the application of technology in Chinese teaching and learning.

Pre-requisite: None

EDCI756 SECOND LANGUAGE LEARNING & TEACHING

Based on Second Language learning and teaching theories and research findings, the course aims to help student teachers study the basic knowledge of the subject, teaching and learning strategies, methods of assessment and the application of technology in Second Language teaching and learning.

Pre-requisite: None

EDCI757 SCIENCE LEARNING & TEACHING

Based on Science learning and teaching theories and research findings, the course aims to help student teachers study the basic knowledge of the subject, teaching and learning strategies, methods of assessment and the application of technology in Science teaching and learning.

Pre-requisite: None

EDCI758 SOCIAL STUDIES LEARNING & TEACHING

Based on Social Studies learning and teaching theories and research findings, the course aims to help student teachers study the basic knowledge of the subject, teaching and learning strategies, methods of assessment and the application of technology in Social Studies teaching and learning.

Pre-requisite: None

EDCI759 MORAL DEVELOPMENT & TEACHING

Based on moral development and teaching theories and research findings, the course aims to equip student teachers with the basic knowledge of the subject, teaching and learning strategies, methods of assessment and the application of technology in moral education.

Pre-requisite: None

EDCI760 CURRICULUM & INSTRUCTIONAL LEADERSHIP

Following the threads of major curriculum and instruction theories, this course explores curriculum and instructional leadership in practice and theory, schools as learning communities and the innovation of curriculum and school culture for purpose of improving teacher quality and learning effectiveness.

Pre-requisite: None

EDCI761 SPECIAL TOPICS IN CURRICULUM & INSTRUCTION

This graduate level course covers the current and new topics, new trends, and new research findings, in the area of curriculum and instruction. The actual topics may differ as this course is offered at different times, to reflect the new developments and directions of this field. The graduate level course will expose the students to the new thoughts, new developments.

Pre-requisite: None

THE SCIENCE EDUCATION CONCENTRATION**EDCI762 THEORIES OF SCIENCE TEACHING AND LEARNING**

This course aims to provide students with concepts, theories and principles of science teaching and learning, which are necessary for their teaching practice and future studies. Topic of this course include nature of science, theories of science learning, conception changes in science learning, methods and strategies of science teaching, scientific inquiry, practical work in science teaching, ICT in science teaching. Studies on exemplary teaching practice will be emphasized in this course.

Pre-requisite: None

EDCI763 STUDIES ON SCIENCE CURRICULUM

The course aims to provide students with these topics in the field of science curriculum development: historical perspectives of science curriculum, science curriculum in social contexts, principles and theories of science development, patterns of science curriculum development, and analysis of science curriculum. Special attention will be put on the practice of implementing the current science curricula and teaching materials in Macao and China. The current research tendency of science curriculum in international literatures will also be involved.

Pre-requisite: None

EDCI764 THE EVALUATION OF SCIENCE TEACHING AND LEARNING

This course aims to equip students with the concepts, theories, and practical skills of conducting evaluations on science teaching and learning. Topics include assessment and evaluation in science teaching, theoretical assumptions of evaluation in science teaching and learning, various evaluation techniques in science teaching and learning, science curriculum reform and evaluation, science teacher development and evaluation. Emphases will be put on authentic assessment and performance assessment in science teaching and learning. The large scale evaluation programmes, such as TIMSS, PISA, will be involved in this course.

Pre-requisite: None

EDCI765 PROFESSIONAL DEVELOPMENT OF SCIENCE TEACHERS

This course is about the concepts, theories and practice of science teacher development with the purpose of laying a foundation for students' teaching practice and future studies. Topics include the learning of science teachers, science teachers' conception of teaching and learning, pedagogical content of knowledge in science teaching, school-based research and science teacher development, action research and science teacher development, science teachers' narratives, case studies of science teacher development, research tendency of science teacher development.

Pre-requisite: None

THE INSTRUCTIONAL TECHNOLOGY EDUCATION CONCENTRATION**EDCI766 ISSUES IN DISTANCE EDUCATION**

The purpose of this course is to provide students with an overview of distance education theories in order to enhance students' understanding of the communication tools and the different learning styles of distance education and develop students' understanding of the instructional design models used in developing distance learning courses. Students will be given an opportunity to learn various tools concentrating on different aspects of the technology: text, graphics, audio, animation, and video. Students will work in groups and take on different roles. The contexts for this course will be primarily interactive, collaborative, multi-disciplinary, and student-centered. A large portion of this course will be devoted to hands-on activities.

Pre-requisite: None

EDCI767 MULTIMEDIA DESIGN AND PRACTICE

The course is primarily concerned with the effective use of multimedia technologies in an educational context. It will examine the challenges involved in current methodology, research and other issues in applying multimedia in education. The practical and theoretical aspects of integrating various applications will also be examined in the context of the curriculum.

Pre-requisite: None

EDCI768 TRENDS & ISSUES IN INSTRUCTIONAL TECHNOLOGY

This course involves an examination of current issues in instructional technology. The issues include pedagogy, teaching and learning, historical development, policies, and research methodology in instructional technology etc. Learners are required participate actively in this course. Case studies, group discussion and seminar presentation will be used.

Pre-requisite: None

EDCI769 INTEGRATING TECHNOLOGY FOR TEACHING AND LEARNING

The purpose of this course is to engage students in the theory, development and applications of learning technologies in teaching and learning context. An overview of theories in technology integrated teaching and learning will be discussed. Students are expected to form groups of learning communities that will involve in technology integration projects. They will be given opportunities to explore and learn new technology in supporting and transforming instruction and learning.

Pre-requisite: None

THE CHINESE LANGUAGE EDUCATION CONCENTRATION**EDCI770 SECONDARY SCHOOL CHINESE LANGUAGE CURRICULUM DESIGN AND TEACHING**

This course explicates the design and teaching of secondary school Chinese language curriculum, in order to enhance students' knowledge about Chinese language curriculum design and teaching, and to heighten ability for and research interest in Chinese language teaching. Topics include basic concepts, categories, theories and design of curriculum; significance, objectives and techniques of teaching; principles and preparation of teaching design; preparation of teaching media; curriculum evaluation and teaching assessment; professional behavior of teachers.

Pre-requisite: None

EDCI771 TOPIC STUDIES IN CHINESE WRITING

This course explicates and analyses the functions, theories and techniques of Chinese communication, in order to deepen students' knowledge of, and ability to apply, Chinese writing for the sake of teaching. Topics include connection between characteristics of the Chinese

language and Chinese writing, sociolinguistics theories and phenomena of Chinese writing, writing of various kinds of Chinese practical writing, similarities and differences between practical writings prevailing in Macao, Hong Kong, Taiwan and Mainland China.

Pre-requisite: None

EDCI772 APPRECIATION AND TEACHING OF CHINESE LITERATURE

This course critically introduces and analyses Chinese literature, and cultivates the ability to appreciate and teach it on the part of students. Teaching materials are mainly classics from Pre-Qin Dynasty to the 20th Century. The teaching mode is to guide students to read, appreciate, and analyse genres such as poetry, prose, fiction and opera, and to sum up the teaching points concerned such as writing style, theme manifestation, story tension, characterization, and plot organization. Upon completion of this course, students are expected to be able to better appreciate and evaluate literature and to make use of literary works to design various kinds of teaching activities.

Pre-requisite: None

EDCI773 TOPIC STUDIES IN AND TEACHING OF LANGUAGE ARTS

This course explicates significance, theories and skills of language arts, in order to strengthen students' understanding of language arts, to help them grasp techniques of language expression, to enhance their ability for language communication, and to heighten teaching effects. Topics include techniques of language expression, teaching language of teachers, topics, skills and manners of public speaking, public speaking teaching, topic assignment, forms and techniques of debate, and debate teaching.

Pre-requisite: None

THE MATHEMATICS EDUCATION CONCENTRATION

EDCI774 STUDIES ON MATHEMATICS CURRICULUM

The course aims to provide students with a critical study of current issues, trends, and the design and evaluation of mathematics curriculum. Topics will include: historical development of mathematics curriculum, principles and theories of mathematics development, patterns of mathematics curriculum development, alignment of mathematics curricula with standards, and analyses and comparisons of mathematics curricula. Special attention will be put on the practice of implementing the current mathematics curricula and teaching materials in Macao and China for the teaching tracks. The current research tendency of mathematics curriculum in international literatures will also be involved, for example, some advanced mathematics topics and mathematics projects.

Pre-requisite: None

EDCI775 THEORIES OF MATHEMATICS TEACHING AND LEARNING

This course aims to provide students with concepts, theories, and principles of mathematics teaching, which are necessary for their teaching practice and further studies. Attention will be paid to the key ideas in four mathematics content areas (i.e., number and operations, algebra, geometry, and data analysis and probability) at both elementary and secondary levels, effective teaching strategies for implementing student-centered, content-based and technology-enhanced instruction. Lesson studies and exemplary teaching designs will also be emphasized.

Pre-requisite: None

EDCI776 THE EVALUATION OF MATHEMATICS TEACHING AND LEARNING

This course aims to equip students with the concepts, theories, and practical skills of conducting evaluations on mathematics teaching and learning. Topics will include: assessment and evaluation in mathematics teaching, theoretical assumptions of evaluation in mathematics

teaching and learning, various evaluation techniques in mathematics teaching and learning, mathematics curriculum reform and evaluation, mathematics teacher development and evaluation. Emphases will be put on authentic assessment including discourse and performance assessment in mathematics classrooms. The large scale evaluation programmes, such as TIMSS, PISA, will be also covered.

Pre-requisite: None

EDCI777 PREPARATION AND PROFESSIONAL DEVELOPMENT OF MATHEMATICS TEACHERS

This course is about the concepts, theories and practice of mathematics teacher development with the purpose of laying a foundation for students' teaching practice and further studies. Topics include: mathematics teachers' subject knowledge and pedagogical content knowledge, teachers' conceptions (or beliefs) of effective mathematics teaching and learning, school-based research and mathematics teachers' professional development, action research and mathematics teacher development, mathematics teachers' narratives, case studies of mathematics teacher development, research tendency of mathematics teacher development.

Pre-requisite: None

EDCI778 WRITTEN AND SPOKEN DISCOURSE FOR ENGLISH LANGUAGE TEACHING

This course aims to help students to develop an understanding of the relationship between linguistic structures and functional purposes of language use in classroom contexts. It focuses on analysing discourse features in English as second or foreign language classroom contexts. Through analysing the linguistic and functional characteristics of teacher-learner classroom talk and its sequential structures, students will explore the dynamics and potential of classroom interactions, and their impacts on pedagogical effectiveness in a diversity of classroom contexts relevant to students with different learning needs and backgrounds.

Pre-requisite: None

EDCI779 CURRICULUM DESIGN AND MATERIALS DEVELOPMENT FOR ENGLISH TEACHERS

This course is designed to acquaint students with the strategies and principles of materials development for English language teaching. It aims to help students develop an understanding of the process of second language curriculum development in general, and of second language course design and materials preparation in particular. Theoretical discussions of different language learning models and instructional principles, and various approaches to curriculum design and materials development will provide a basis for analysis. Course participants will have opportunities to engage in critical reflection on both theoretical and practical issues in second language curriculum design and materials development, as well as develop practical experience in designing English language curriculum and materials relevant to specific student populations.

Pre-requisite: None

EDCI780 PEDAGOGICAL GRAMMAR FOR ENGLISH LANGUAGE TEACHERS

This course provides opportunities for students to develop an understanding of the pedagogical grammar of the English language, and apply this knowledge in learning and teaching in a second language context. The course attempts to analyze grammar from an integrated perspective, drawing insights from both formalist and functional approaches. It also examines issues such as the extent to which ESL or EFL teachers should focus on rules or the regularities of language or they should focus more on vocabulary and how it affects grammaticality. Pedagogical implications link key grammatical phenomena to real communicative events in the context of school English classrooms.

Pre-requisite: None

EDCI781 TEACHING SECOND LANGUAGE WRITING

This course provides opportunities to explore various perspectives on theory, research, and pedagogical applications in second language writing. The course aims to equip students with strategies to help second language learners develop the skills necessary for effective writing.

Topics include the nature of L2 writing, approaches to teaching L2 writing, L2 writing processes, features of L2 writers' texts, beliefs and attitudes of L2 writers, feedback on L2 writing, L2 writing assessment, contexts for L2 writing, and L2 writing teacher education. Course participants will be helped to make connections between theory and practice and understand key issues that underlie second language writing, and acquire skills and techniques for planning, teaching and assessing second language writing.

Pre-requisite: None

EDEB111 INTRODUCTION TO LITERARY STUDIES I

The purpose of this course is to help students develop basic skills for understanding major literary genres and to increase their sensitivity to the language and devices used in literature. Students will be introduced to a basic critical vocabulary with which to examine a range of literary texts. The genres covered in this course include poetry, and short fiction.

Pre-requisite: None

EDEB121 INTRODUCTION TO LITERARY STUDIES II

The purpose of this course is to further develop reading and analytic skills for understanding extended works of prose and dramatic fiction. The course will build on the basic critical vocabulary introduced in ENGL124. The genres covered in this course include the novel and drama.

Pre-requisite: EDEB111

EDEB122 LANGUAGE LEARNING THEORIES AND ELT

This course provides an overview of the concepts, theories, and research in language acquisition with an emphasis on second language acquisition. Special attention is paid to the linking of theories with current practices in English language teaching.

Pre-requisite: None

EDEB123 DESCRIBING THE SOUNDS OF ENGLISH

This course studies the theory and techniques of descriptive linguistics as applied to the pronunciation of contemporary English. It addresses the basic questions of: What are the sounds of English, how are they produced and perceived, and how are they described? The course will introduce students to the pronunciation of different varieties of English and increase their sensitivity to their own pronunciation of English.

Pre-requisite: None

EDEB211/EDEB221 SUBJECT-BASED TEACHING METHODS I & II (ENGLISH)

It is so designed as to equip student teachers with the essentials of English language teaching and to develop their abilities to teach effectively at the secondary school level through reflecting upon theory and practice. It aims at familiarizing them with major ELT approaches, the techniques and strategies of integrated teaching and communicative skills, materials development and the use of multimedia aids and various resources to enrich, enliven and innovate teaching and learning.

Pre-requisite: None

EDEB212 SURVEY OF ENGLISH LITERATURE I

This course presents a chronological survey of works from major periods and genres of English literature. Literature from important periods will be studied in their historical context. The course will begin with an introduction to English literature in the medieval period and end with an introduction to the 18th century, and will include the study of Chaucer, English Renaissance dramatists, and Neo-classical poetry.

Pre-requisite: None

EDEB222 SURVEY OF ENGLISH LITERATURE II

This course presents a chronological sampling of literature from major periods and genres of English literature, which will be studied in their historical context. The course will begin with the

18th century and continue to the end of the 19th century, covering topics that include Neo-classical satire, Romanticism, and writing in the Victorian period.

Pre-requisite: EDEB212

EDEB213 INTRODUCTION TO ENGLISH GRAMMAR

This course describes the syntax and morphology of modern Standard English. It introduces in an accessible way the necessary terminology and modes of analysis that students need in order to understand English structure, and it provides a firm foundation for further studies in linguistics.

Pre-requisite: None

EDEB264 FOCUSED ENGLISH SKILLS FOR ELT TEACHERS: SPEAKING

This course is designed for FED students in the English stream and will cater to the needs of prospective English teachers in their professional lives, i.e. to read aloud teaching materials accurately and fluently, maintaining the interest of a second language learner audience and communicating meaning adequately in the process; to give lectures and produce spoken language with structures that are grammatical and generally adequate despite occasional errors; and to interact with peers in a group discussion, keeping the discussion focused and using conversational strategies effectively. There will be three focus areas in this course: (1) reading aloud English teaching materials including poems and prose passages; (2) giving short speeches or mini lectures such as recounting an experience or presenting arguments; and (3) engaging in professional interaction about content knowledge/subject matter knowledge. Students coming to this course will raise their awareness to the common English pronunciation problems of Cantonese speakers. They will also be given models of accurate pronunciation and ample practice opportunities to improve their English pronunciation, interaction strategies and oral communication skills.

Pre-requisite: EDEB211 and EDEB221 or with instructor's permission

EDEB265 ENGLISH LINGUISTICS AND LITERATURE AS RESOURCES FOR TEACHERS

This course is not a course on linguistics analysis; nor is it a course on criticism of literary studies. In other words, this course is not intended to teach students how to study literature – either from the stylistics or the literary critical viewpoint. Rather, this is a course for prospective teachers and aims to introduce to them the possibilities of using literary texts as a resource for stimulating language activities. The course will examine the justification for using literary texts in language classrooms and will provide samples of classroom materials which are designed for engaging students interactively with the given literary texts, with fellow students and/or with the teacher, in the performance of tasks involving these texts. While this course aims at enriching student teachers' knowledge in the use of literary materials in language classrooms, it will also provide them with hands-on experience in the design of tasks for language teaching and learning.

Pre-requisite: EDEB211 and EDEB221 or with instructor's permission

EDEB266 TEACHING READING AND WRITING

This course will examine the theoretical bases for reading and writing in the light of current perceptions of the processes and strategies involved in these skills and will explore recent developments and models of second language reading and writing as well as the pedagogical impact of these developments. The course will also integrate theory and practice and discuss how to teach English reading and writing lessons in Macao classrooms.

Pre-requisite: EDEB211 and EDEB221

EDEB267 TEACHING SPEAKING AND LISTENING

This course will review the theories and approaches related to speaking and listening and analyses the different processes and strategies that speakers and hearers use as they speak or listen. The course will also examine the pedagogical approaches to teaching speaking and listening and the design and planning of speaking and listening lessons in Macao classrooms.

Pre-requisite: EDEB211 and EDEB221

EDEB268 TEACHING GRAMMAR AND VOCABULARY

This course will examine relationships between grammar, meaning and context and the role of vocabulary knowledge in language learning. It will also identify issues and problems in teaching and learning English grammar and vocabulary and discuss how to plan and teach grammar and vocabulary effectively in Macao classrooms. In addition, strategies for helping learners gain control over systems of English grammar as well as learner strategies in acquiring English vocabulary will be explored.

Pre-requisite: EDEB211 and EDEB221

EDEB311 SOCIO-CULTURAL ASPECTS OF ELT

This course deals with the social, political, and cultural dimensions of English language teaching. It aims at developing among the students an understanding of the socio-cultural situatedness of ELT pedagogy and associated political dynamics, the international spreading of English and its impacts, and the role of intercultural competence in successful language learning. Topics to be covered include language identity, World English, globalisation and localisation related to ELT, and sociolinguistic relativity and causes of miscommunication.

Pre-requisite: None

EDEB321 CREATIVE IDEAS IN THE EFL/ESL CLASSROOM

This course will first review the different stages of an English language lesson and the steps and procedures for teaching the four skills, grammar and vocabulary. While building upon students' existing knowledge of language teaching and introducing to them categories and samples of creative activities that encourage ESL/EFL learners' fluency, flexibility, elaboration and originality, the course aims at cultivating in students the concept of creativity in language teaching and developing their competence in designing English lessons with creative ideas and fun but without sacrificing the important element of meaningful practice of target language items. The course will provide students with hands-on experience in planning and conducting creative English lessons through the development of teaching plans and micro-teaching.

Pre-requisite: EDEB211 and EDEB221

EDEB322 LANGUAGE AND MEANING

This course is concerned with one of the fundamental issues in linguistics: meaning. It looks at meanings of individual words and the meanings they engender in combination (semantics), as well as how language-users construct meaning in communication (pragmatics). Fundamental concepts and issues introduced may include sense and reference, semantic features, lexical relations, polysemy, non/literality, presupposition, influence, implicature, speech acts and politeness.

Pre-requisite: None

EDEB411 PRACTICAL CLASSROOM ENGLISH

This course focuses on the choice of right words and phrases and the appropriate techniques for teachers when they use English to give instructions, ask questions, make comments, give disciplinary intervention in the classroom and encourage their learners to respond in English. The course also examines the English classroom as a communicative context with regular patterns of communication that are negotiated between teachers and students and helps teachers develop ways of promoting more effective patterns of discourse in the English classroom. In particular, issues related to the medium of instruction and the code-switching phenomenon in Macao classrooms will be discussed.

Pre-requisite: None

EDEB452 LANGUAGE TESTING

The main aims of this course are to consider the principles and practice of assessment for language learning and to enable course participants to apply essential understanding and techniques to construct and evaluate testing instruments for their particular teaching purposes. Upon completion of the course, course participants should be able to: determine how learning and testing may be integrated; follow standard procedures in constructing a testing instrument;

use appropriate techniques to test learners' language skills; analyse and interpret test scores for students, teachers and parents; and judge the validity, reliability, practicality and impact of a test. Pre-requisite: EDEB211 and EDEB221

EDEC701 THEORIES AND STUDIES OF CHILD DEVELOPMENT

Consolidates knowledge on human development and its ecological contexts by highlighting the developmental stages of human beings at different stages of the life-span. Introduces the recent theories on human development that extend the classic theories on human development, social movements and their effects on human development. Emphasizes special features during the transitional periods from one stage to the next and the critical role that childhood plays in the later developmental stages. Discussions will also examine the ways in which different societies view human development and the issues pertaining to the culture and cognition of human development.

Pre-requisite: None

EDEC702 COGNITION AND LEARNING IN THE EARLY YEARS

Provides students with an understanding of children's cognitive development and its implication on learning. Discusses theories on children's cognition such as those on children's memory system, what constitutes to children's conceptual changes, children's problem solving strategies and their sensory and perceptual system development. Overviews selected contemporary approaches such as topics on neuro-psychology, namely brain anatomy, brain development, the social brain and the effects of gender, culture, disorders, and life experiences on shaping a brain will be covered. Examines parents' influence and the roles of adult and child interactions on children's learning. This course will also link theory and practice by examining how young children learn and the role that early education plays in it.

Pre-requisite: None

EDEC703 CHILD PLAY STUDIES

The benefits of play have been associated with improvements in, for example, exploration and creativity, parent child bonds and healthy child development. This course will cover a range of international perspectives of play including the diverse interpretations of play, philosophical rationales underpinning play, and practices of play. In particular, the contemporary approaches and research methods to understanding children's play, the arguments for and against play as curriculum and/or approach, the issues concerning play advocacy and policy-making, as well as the possibility of promoting context appropriate play practice cross-culturally will be provided.

Pre-requisite: None

EDEC704 EARLY CHILDHOOD PROGRAMME QUALITY EVALUATION

Introduces indicators and procedures used in Macao, other Chinese regions and beyond, to assess the quality of provisions in kindergartens and nurseries. Highlights the importance that evaluation will not only be focused on the organization and personnel, curriculum and pedagogy, physical environment and resources, but also on the clients they serve, including parents, babies and young children. The aim of assessment is to build up synergy and capacity for the continual improvement of services rendered to its clients.

Pre-requisite: None

EDEC756 STUDIES ON PRESCHOOL INCLUSION

Introduces latest research findings on serving children with special needs in inclusive early childhood settings. Highlights knowledge and skills to initiate and sustain quality inclusion programmes in Macao, other Chinese regions and beyond. By means of different activities such as synthesizing research findings and observing student-teacher interactions in inclusive classrooms, students will gain a deep understanding of philosophical, moral and legal foundations for early childhood inclusion. Moreover, student will identify and master effective strategies for building a high quality inclusion programmes such as making curriculum modifications and embedding learning opportunities in play and routine activities. Finally, student will prioritize targeted intervention services for individual child.

Pre-requisite: None

EDEC752 EARLY CHILDHOOD QUALITY EVALUATION

Introduces indicators and procedures used in Macao, other Chinese regions and beyond, to assess the quality of provisions in kindergartens and nurseries. Highlights the importance that evaluation will not only be focused on the organization and personnel, curriculum and pedagogy, physical environment and resources, but also on the clients they serve, including parents, babies and young children. The aim of assessment is to build up synergy and capacity for the continual improvement of services rendered to its clients.

Pre-requisite: None

EDEC753 CHILD LANGUAGE LITERACY DEVELOPMENT

This course provides an in-depth understanding of child language and literacy development from infancy through the adolescent years. Main focus will be endogenous linguistic and cognitive correlates of literacy acquisition, including letter-sound knowledge, phonology, morphology, grammar, fluency and vocabulary. Exogenous factors, including parenting, educational systems, and culture, will be also discussed. The course will also provide some exposure to the recent research on language and literacy disorders and bilingual literacy acquisition.

Pre-requisite: None

EDEC754 CHILD AND FAMILY EDUCATION

This course is parent-oriented, children-oriented, community-oriented and school-oriented, and will have students explore what are effective parents, how to promote stable marriage relationship and understand its impacts on children's development, and why good ethics can promote better relationships among family members. It will also cover the methods of helping children understand their roles in a family, the use of the community-based resources and the importance of home-school relationship in early childhood education and family education.

Pre-requisite: None

EDEC755 SPECIAL TOPICS IN EARLY CHILDHOOD EDUCATION AND CHILD DEVELOPMENT

This graduate level course covers the current and new topics, new trends, and new research findings, in the area of early childhood education and child development. The actual topics may differ as this course is offered at different times, to reflect the new developments and directions of this field. The graduate level course will expose the students to the new thoughts, new developments, more recent research and practice in the area of early childhood education and child development.

Pre-requisite: None

EDMA101/102/103 BASIC MUSICIANSHIP I, II AND III

The course aims to provide students with foundation of music including basic skills and knowledge of singing and playing instruments. With the completion of the course, students are able to read, listen, sing/play, and write musical notes.

- Aural skills: be able to identify basic intervals, chords, parts, and musical style.
- Sight singing: to read and sing/play basic notes in pitch and with exact rhythm.
- Theory: basic knowledge of notation, simple and compound times, major and minor keys, chord progression, simple harmony, and terminology.

Pre-requisite: None

EDMA110 MUSIC & CULTURE

The course aims to cultivate students to be music intellects through the understanding of music in culture. With the completion of the course, students will be able to:

- understand the role of music in different eras and cultures;
- appreciate compositions of various styles with the understanding of musical elements.

The course looks into the development of music in Western culture and its relation to different societies and cultures:

- the origin of music and its development of musical elements in different pieces.
- study by listening to samples of composition from music eras: Medieval, Renaissance, Baroque, Classical, and Romantic.
- Introduction to the lives of composers and their contributions.

Pre-requisite: None

EDMA111 MUSIC & MIND

With the completion of the course, student will be able to:

1. Get familiar with music therapy.
2. Have basic knowledge of music theory.
3. Understand how the commercial music affect people's mood.
4. Have better understanding of musical production.
5. Develop the musicianship through all music activities and teaching:
 - Basic music theory.
 - Mozart Effect.
 - Music therapy.
 - Psychology of Music.
 - The usage of music in public.
 - The usage of TV and commercial music.

Pre-requisite: None

EDMA112/113 INTRODUCTION TO CHORAL TRAINING I AND II

The course aims to provide foundation of choral singing and conducting. With the completion of the course, students will be able to sing in parts and be able to conduct choirs at school.

- The techniques of part singing: canon, 2-4 part songs.
- Basic conducting patterns (simple and compound times) in specific pieces.
- Score study.
- Conducting with accompaniment.
- Management of school choirs: audition, voicing, repertoire, rehearsal techniques, scheduling.

Pre-requisite: None

EDMA114 MUSIC GAMES IN THE KODALY METHOD

The course aims to enhance the musicality of students by providing experiences of musical games and activities in the Kodaly Method. With the completion of the course, students will be able to apply relevant games to facilitate the understanding of music theory and musicking in classroom teaching as well as their own musicality.

1. The basic philosophy of the Kodaly Method applied to learning.
2. Principles of adapting Kodaly games to different cultures.
3. To enhance the understanding of:
 - Notation and relations of tone.
 - Rhythm—steady beat, move in time.
 - Sight-singing without the present of pitched instruments.
 - Composing—apply notation skills and terms to write simple music.
 - Self-making of rhythmic instruments and teaching aids.

Pre-requisite: None

EDMA115 MUSIC MOVEMENT FOR YOUNG CHILDREN

The course aims to train students with the knowledge of directing music movement for young children. With the completion of the course, students will be able to design and demonstrate rhythmic movements for kindergartners so as to enhance their rhythmic development.

- Principles of designing rhythmic activities for young kids.
- Practice of various rhythmic exercises.
- Self-making of rhythmic instruments and props.

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- Patterns of locomotive and non-locomotive movement.
 - Musicking with spontaneous rhythmic responses.

Pre-requisite: None

EDMA116 INTRODUCTION TO MUSIC

With the completion of the course, student will be able to:

1. Get familiar with all the basic musical notation, and instruments.
2. Develop the musicianship through all music activities and teaching.
3. Have solid knowledge of music theory and aural skills.
4. Have basic outline of music history.
5. Have better understanding of musical production:
 - Basic music theory.
 - Music Aural Training.
 - Musical instruments and Orchestration.

Pre-requisite: None

EDMA117 20TH CENTURY MUSIC

With the completion of the course, student will be able to:

1. Solid understanding of the music history after the 19th century.
2. Develop the musicianship through all music activities and teaching.
3. Get familiar with Jazz music, Broadway musical, the most current trend popular music and performers worldwide.
4. Have basic outline of the whole music history
5. Have basic understanding of music theory and ear training:
 - Basic music theory.
 - Ear training.
 - Jazz Music.
 - Broadway Music.
 - The most current trend popular music and performers worldwide.
 - The development of Eastern and western music history.

Pre-requisite: None

EDMA118 MUSIC GAMES IN THE ORFF APPROACH

With the completion of the course, student will be able to:

1. Get familiar with Orff music teaching method.
2. Applied the method to the music classroom.
3. Be creative and design students' own musical games with Orff method for the music class at the pre-primary and primary school.
4. Have good knowledge about the most current trend music teaching worldwide.
5. Develop the musicianship through all music activities and teaching:
 - The history and development of Western Music Education.
 - Basic music theory.
 - Music used in early childhood.
 - Music techniques and philosophy used in Orff teaching method.
 - The most current trend music teaching worldwide.

Pre-requisite: None

EDMA119 CONTEMPORARY GUITAR

With the completion of the course, students will be able to play basic songs of guitar, understand of the basic knowledge of guitar history, familiarize the basic technique of guitar playing, compose and improvise guitar music. Students will learn the basic technique of guitar playing, introduction of guitar history, basic music theory, mainstream of guitar music and improvising guitar composition.

Pre-requisite: None

EDMA120 VOICE I

The course aims to help students to experience the joy of singing by training them to be competent singers. With the completion of the course, students are able to demonstrate skills of singing at the Pre-Grade 1 level. Students will learn vocalization exercises focus on understanding the mechanism and techniques of vocalization: posture, breath support and control, tone quality, expression, phrasing, resonance, registration of voice and diction. Study of repertoire covers the selection of music for different voices and purposes.

Pre-requisite: None

EDMA121 VOICE II

The course aims to help students to experience the joy of singing by training them to be competent singers. With the completion of the course, students are able to demonstrate skills of singing at the Grade 1 level. Students will learn vocalization exercises focus on understanding the mechanism and techniques of vocalization: posture, breath support and control, tone quality, expression, phrasing, resonance, registration of voice and diction. Study of repertoire covers the selection of music for different voices and purposes.

Pre-requisite: EDMA120

EDMA122 VOICE III

The course aims to help students to experience the joy of singing by training them to be competent singers. With the completion of the course, students are able to demonstrate skills of singing at the Grade 1 to 2 level. Students will learn vocalization exercises focus on understanding the mechanism and techniques of vocalization: posture, breath support and control, tone quality, expression, phrasing, resonance, registration of voice and diction. Study of repertoire covers the selection of music for different voices and purposes.

Pre-requisite: EDMA121

EDMA123 VOICE IV

The course aims to help students to experience the joy of singing by training them to be competent singers. With the completion of the course, students are able to demonstrate skills of singing at the Grade 2 level. Students will learn vocalization exercises focus on understanding the mechanism and techniques of vocalization: posture, breath support and control, tone quality, expression, phrasing, resonance, registration of voice and diction. Study of repertoire covers the selection of music for different voices and purposes.

Pre-requisite: EDMA122

EDMA124 VOICE V

The course aims to help students to experience the joy of singing by training them to be competent singers. With the completion of the course, students are able to demonstrate skills of singing at the Grade 2-3 level. Students will learn vocalization exercises focus on understanding the mechanism and techniques of vocalization: posture, breath support and control, tone quality, expression, phrasing, resonance, registration of voice and diction. Study of repertoire covers the selection of music for different voices and purposes.

Pre-requisite: EDMA123

EDMA125 VOICE VI

The course aims to help students to experience the joy of singing by training them to be competent singers. With the completion of the course, students are able to demonstrate skills of singing at the Grade 3 level. Students will learn vocalization exercises focus on understanding the mechanism and techniques of vocalization: posture, breath support and control, tone quality, expression, phrasing, resonance, registration of voice and diction. Study of repertoire covers the selection of music for different voices and purposes.

Pre-requisite: EDMA124

EDMA126 VIOLIN I

The course aims to teach skills and techniques of playing violin in class format. With the

completion of the course, students are able to demonstrate skills of playing violin at Pre-Grade 1 level. Students will learn the maintenance and tuning of the instrument, note reading, bowing, finger placement, bow strokes, expressions, articulation, styles and scales.

Pre-requisite: None

EDMA127 VIOLIN II

The course aims to teach skills and techniques of playing violin in class format. With the completion of the course, students are able to demonstrate skills of playing violin at Grade 1 level. Students will learn the maintenance and tuning of the instrument, note reading, bowing, finger placement, bow strokes, expressions, articulation and styles.

Pre-requisite: EDMA126

EDMA128 VIOLIN III

The course aims to teach skills and techniques of playing violin in class format. With the completion of the course, students are able to demonstrate skills of playing violin at Grade 2 level. Students will learn the maintenance and tuning of the instrument, note reading, bowing, finger placement, bow strokes, expressions, articulation and styles.

Pre-requisite: EDMA127

EDMA129 FLUTE I

The course aims to teach basic skills of playing flute in class format. With the completion of the course, students are able to demonstrate skill of playing flute at Pre-Grade 1 level. Students will learn the maintenance and assembly of the instrument, posture, positions, note reading, breathing, embouchure, tone quality, scales, breath support, tonguing techniques, and styles.

Pre-requisite: None

EDMA130 FLUTE II

The course aims to teach basic skills of playing flute in class format. With the completion of the course, students are able to demonstrate skill of playing flute at Grade 1 level. Students will learn the maintenance and assembly of the instrument, posture, positions, note reading, breathing, embouchure, tone quality, scales, breath support, tonguing techniques, and styles.

Pre-requisite: EDMA129

EDMA131 FLUTE III

The course aims to teach basic skills of playing flute in class format. With the completion of the course, students are able to demonstrate skill of playing flute at Grade 2 level. Students will learn the maintenance and assembly of the instrument, posture, positions, note reading, breathing, embouchure, tone quality, scales, breath support, tonguing techniques, and styles.

Pre-requisite: EDMA130

EDMA132 INTRODUCTION OF THE 19TH CENTURY ARTS AND MUSIC

With the completion of the course, student will be able to compare and appreciate music, painting, architecture and drama of the 19th century, analyze the historical and cultural influence of the 19th century and learn the music and art history of the 19th century. This course covers the introduction of Opera and drama, introduction of Arts Songs, introduction of music and art history of the 19th century and interaction of music and other arts in the 19th century.

Pre-requisite: None

EDMA133 VOICE AND ART SONGS APPRECIATION

With the completion of the course, student will be able to experience vocal music and distinguish the corresponding styles, provide basic music theory and knowledge and be instructed vocal concept and technique. This course covers basic music theory, aural training, singing training, introduction of Art Songs and the introduction of Singing Technique. Pre-requisite: None

EDMA134 CLASSICAL MUSIC APPRECIATION I

With the completion of the course, student will be able to get familiar with all the basic musical

notation, and instruments, develop the musicianship through all music activities and teaching, have solid knowledge of music theory and aural skills; have concrete understanding and outline of Western Classical Music History and get familiar with different styles of classical music history, such as sonata, symphony, opera, chamber music...etc from the music periods of Middle Age, Renaissance, Baroque, Classical, Romantic, and 20th Century Period. Moreover, teacher will also introduce some basic knowledge and manners of attending to a concert. By end of the semester, students will have a brand new perspective of understanding of classical music.

Pre-requisite: None

EDMA135 CLASSICAL MUSIC APPRECIATION II

This course is the continuation of the Classical Music Appreciation I. The teacher will concentrate on a specific and certain period of music history. With the completion of the course, student will be able to develop the musicianship through all music activities and teaching, familiar with the Classical and Romantic period of Music History, have better understanding of musical production, compare with the Romantic Period and other periods of the music history and be able to distinguish the differences between each music period of the music history. This course covers functional music, basic music theory, ear training, jazz music, Broadway music and the most current trend popular music and performers worldwide.

Pre-requisite: EDMA134

EDMA136 MODERN MUSIC

With the completion of the course, student will be able to solid understanding of the music history of the 20th century, get familiar with Jazz music, Broadway musical, the most current trend popular music and performers worldwide, introduce the application of the functional music of the 20th century and have basic understanding of music theory and ear training.

Pre-requisite: None

EDMA137 MUSIC THEORY I

The course aims to teach basic concepts and knowledge in music theory and prepare students to take the Theory Examination – Grade 2 (ABRSM). Students will learn notation, time meter, major and minor keys, expression/terms, chords, harmony, styles and composition.

Pre-requisite: None

EDMA138 MUSIC THEORY II

The course aims to teach basic concepts and knowledge in music theory and prepare students to take the Theory Examination – Grade 4 (ABRSM). Students will learn notation, time meter, major and minor keys, expression/terms, chords, harmony, styles and composition.

Pre-requisite: EDMA137

EDMA139 MUSIC THEORY III

The course aims to teach basic concepts and knowledge in music theory and prepare students to take the Theory Examination – Grade 5 (ABRSM). Students will learn notation, time meter, major and minor keys, expression/terms, chords, harmony, styles and composition.

Pre-requisite: EDMA138

EDMA140 PIANO I

The course aims to help students to experience the joy of piano playing by training them to be competent pianists. With the completion of the course, students are able to demonstrate skills of piano playing at the Pre-Grade 1 level. Students will learn scales, chords, articulation, expression, fingering, tempo, sight-reading and music of various styles.

Pre-requisite: None

EDMA141 PIANO II

The course aims to help students to experience the joy of piano playing by training them to be competent pianists. With the completion of the course, students are able to demonstrate skills of piano playing at Grade 1 level. Students will learn scales, chords, articulation, expression,

fingering, tempo, sight-reading and music of various styles.

Pre-requisite: EDMA140

EDMA142 PIANO III

The course aims to help students to experience the joy of piano playing by training them to be competent pianists. With the completion of the course, students are able to demonstrate skills of piano playing at Grade 1-2 level. Students will learn scales, chords, articulation, expression, fingering, tempo, sight-reading and music of various styles.

Pre-requisite: EDMA141

EDMA143 PIANO IV

The course aims to help students to experience the joy of piano playing by training them to be competent pianists. With the completion of the course, students are able to demonstrate skills of piano playing at Grade 2 level. Students will learn scales, chords, articulation, expression, fingering, tempo, sight-reading and music of various styles.

Pre-requisite: EDMA142

EDMA144 PIANO V

The course aims to help students to experience the joy of piano playing by training them to be competent pianists. With the completion of the course, students are able to demonstrate skills of piano playing at the Grade 2-3 level. Students will learn scales, chords, articulation, expression, fingering, tempo, sight-reading and music of various styles.

Pre-requisite: EDMA143

EDMA145 PIANO VI

The course aims to help students to experience the joy of piano playing by training them to be competent pianists. With the completion of the course, students are able to demonstrate skills of piano playing at Grade 3 level. Students will learn scales, chords, articulation, expression, fingering, tempo, sight-reading and music of various styles.

Pre-requisite: EDMA144

EDPA211 VISUAL AND PERFORMING ARTS - VISUAL ART

Artworks of different genres have been delighting people from all ages and all places. We enjoy their beauty and their articulation, but we know nothing or very little about their creation process. The practice of aesthetic appreciation of art not only enables us to enjoy art through deeper understanding of the works, but also enables us to recognize and realize our creative potential and capability, as well as cultivates and broadens our vision of artistic culture. The course will be taught in two parts: Firstly, Introduction to visual and performing arts, which includes common lectures on What is Art? Art and Culture, Understanding Art Genres, Approaches to Art Appreciation. Secondly, Introduction to Visual Arts Appreciation, which includes lectures designed to equip the students with basic knowledge of the different visual art forms and teach them how to appreciate and interpret such artworks by illustrating the relationship between form/style to theme/culture. Masterpieces from different regions/places reveal not merely local colors, but also profound cultural contents, echoing profound problems of life for seeing and understanding the world.

Pre-requisite: None

EDPA212 VISUAL AND PERFORMING ARTS - DRAMA

This course is composed of two major components, art introduction and drama performance. This course acquaints students with vocabulary and concepts for critiquing and analyzing visual and performing arts; it examines the function of arts from social and global perspectives; and it encourages students to develop judgment in visual and performing arts' analysis and criticism. Students will gain an overview of the historical movements and ideas in different forms of arts across eras and cultures. In the drama performance component which follows, students will be introduced to the form and function of dramatic literature in its relationship to theatrical performance. Study of plays as texts leads into the rehearsal and performance of short plays.

Pre-requisite: None

EDPA213 VISUAL AND PERFORMING ARTS - MUSIC

The music course aims to provide fundamental knowledge of music to all UM students so as to encourage them to experience and enjoy music in their lives. This introductory course of music covers scopes of both Western and Oriental music which include their historical development/styles, musicians and their composition/performance. Traditional academics focus mainly on Western music. However, in this era, world music is gaining more attention than before as the concept of globalization is getting its role. Therefore, this course covers one-third of contents in Oriental music. The general education of music helps students to appreciate and enjoy music listening with comprehension. As the result, students' attitude and experience toward arts enhanced and elevated.

Pre-requisite: None

EDPC601 INTRODUCTION TO EDUCATION

This course aims to help students understand the general law of the human education system. From historical, theoretical and practical perspectives, the course explores (1) the fundamentals of education, (2) the relationship between education and social, political, economic and cultural developments, and (3) the relationship between education and human physical and mental developments (4) education purposes (teleology), and (5) the relationship between teachers and learners. It also discusses issues about education systems/structure, curriculums and instruction, moral education, educational management, etc.

Pre-requisite: None

EDPC602 EDUCATIONAL PSYCHOLOGY

Educational Psychology includes both psychology and education. The course aims to introduce theories and practices of educational psychology, which includes (1) the fundamentals of educational psychology, (2) the relationship between psychology and education, and the (3) application of educational psychology.

Pre-requisite: None

EDPC608 COUNSELING AND GUIDANCE

This course aims to introduce school counseling theories and classroom management techniques. It covers basic counseling knowledge and skills to facilitate the personal growth of teachers and their students. Furthermore, the course encourages teachers to practise their counseling skills within their school settings.

Pre-requisite: None

EDPC615 TEACHER ETHICS

The aim of this course is to prepare students to develop teachers' professional morality. The experience and the development of teacher's professional morality are fully represented in the different relationships in their work, including facing themselves, their colleagues, students, students' parents and society. The content of this course includes learning different principles of teachers' professional ethics, and how to use and develop these theories reasonably in their teaching lives.,

Pre-requisite: None

EDPC616 CLASSROOM ASSESSMENT

This course focus on the necessary knowledge of classroom assessment ranging from, but not limited to, validity and reliability, functions, forms, instruments, design of various assessment tools. Both traditional assessment methods such as multiple choices, fill-in-blanks, cloze measures, essays, etc, and alternative assessment methods such as portfolio, journals, etc, will be included. Important concepts such as formative Vs summative; high Vs low stake assessment will be covered. The importance of the coherence among instructional objectives, classroom teaching and assessment will be emphasized.

Pre-requisite: None

EDPC617 INFORMATION TECHNOLOGY IN EDUCATION

This course, aiming to enhance students' understanding of using information technology in teaching and learning, provide an overview of contemporary technology, with emphasis on technology relating to education in schools. It examines the current methodologies and issues in integrating different technologies in teaching and learning contexts.

Pre-requisite: None

EDPC618 CURRICULUM AND PEDAGOGY (SUBJECT BASED)

It aims to provide in-service teachers at secondary level with basic concepts and principles of curriculum and instruction. Topics include curriculum development and implementation, teaching principles and strategies, teaching evaluation, and classroom conditions that influence teaching and learning. This course features subject based characteristics. Students will be led to discuss the issues and problems related with these topics in their subjects (such as Chinese, English, mathematics, and science). And the connection between the theories of curriculum and pedagogy and subject based teaching practice will be highlighted.

Pre-requisite: None

EDPC619 CURRICULUM AND PEDAGOGY

It aims to provide in-service teachers at primary level with basic concepts and principles of curriculum and instruction. Topics include curriculum development and implementation, teaching principles and strategies, teaching evaluation, and classroom conditions that influence teaching and learning. Students will be helped to link theories of curriculum and pedagogy with their teaching practice in setting objectives, selecting and organizing contents, and implementing and evaluating curriculum in various subjects they teach in primary schools.

Pre-requisite: None

EDPC620 TEACHING PRACTICE

Though classroom observing, micro-teaching, listening to their supervisors' guidance on the design of teaching activities before their teaching practice, and discussing thoroughly their performance after teaching practice and how to improve it in the future, etc, the teacher-trainees' teaching professional standards can be improved continuously.

Pre-requisite: None

EDPC621 SCHOOL COUNSELING AND GUIDANCE

This course aims to introduce school counselling theories and classroom management techniques. It covers basic counselling knowledge and skills to facilitate the personal growth of teachers and their students. Furthermore, the course encourages teachers to practise their counselling skills within their school settings.

Pre-requisite: None

EDPC622 HEALTH AND CARE IN EARLY CHILDHOOD

Childhood is the earliest, most vulnerable and difficult nursing stage and also the most important stage in our lives. This course will equip students with the knowledge and understanding of children's growth, health and care, the foundation of the pre-primary education field. It will introduce how to provide children with appropriate nutrition and how to handle their common diseases, injury and safety. Topics include principles of children's growth, their behavioural and emotional characteristics, analysis of the positive and negative factors and ways to provide a safe and healthy environment for growing children. Students can apply the theories and knowledge in kindergartens to promote health education and to work towards the goal of holistic health and care.

Pre-requisite: None

EDPC623 EARLY CHILDHOOD DEVELOPMENT

The aim of this course is to instil into teachers, who work with 0 to 8-year-old children, a thorough understanding of the developmental changes at this stage of life, the role that genetics play in human development, as well as some common childhood disorders. Different theories of

child development are introduced to provide students with an all-rounded knowledge of children's united growth which lays the foundation for effective teaching and learning.

Pre-requisite: None

EDPC624 INTEGRATED LEARNING

This course will focus on the integrated learning approach to curriculum design and development for pre-schools and explore the meanings, functions, teaching processes, designs, practices and evaluations related to the integration education. Rather than stressing basic concepts and theoretical foundation, this course will emphasise the application of theories in practice, with the aim to train students to become effective teachers who can apply principles of integrated learning to lesson planning.

Pre-requisite: None

EDPC651 EDUCATIONAL ADMINISTRATION

This course allows students to understand the basic concepts of educational administration. Students will study and discuss Macao educational acts and decrees. They will also learn the basic theories related to educational administration, such as theories with regard to motivation, leadership, communication and organizational decision-making. Attempts will be made to make this course related to the educational reality in Macao.

Pre-requisite: None

EDPC652 INTRODUCTION TO SPECIAL EDUCATION

This course aims at providing students with knowledge, understanding and care of pupils with special needs so as to further their education professional knowledge and development. By means of different teaching activities, students will have better understanding of (1) definitions, characteristics and causes of pupils with various special needs; (2) educational emphases and needs of these pupils; (3) contemporary situations of special education in Macao, and skill-training and employment situations of teenagers; and (4) the latest trends in contemporary special education.

Pre-requisite: None

EDPC653 EDUCATIONAL RESEARCH

The main aim of this course is to enable a qualified teacher to use, understand, analyze and evaluate research outcomes. The course includes: (1) the basics of educational research, (2) structure and procedures of education research, (3) research variables, (4) hypotheses and topics, (5) literature review, (6) on-line search, (7) sampling, (8) questionnaires, (9) correlation analyses, (10) interviews, (11) case studies, (12) evaluation of research reports, (13) educational research ethics, etc.

Pre-requisite: None

EDPC654 SOCIOLOGY OF EDUCATION

This is an introductory course on the Sociology of Education. It provides a brief introduction to the basic sociological concepts and perspectives. By applying these concepts and perspectives, the course intends to let participants have a broad and profound understanding of Macao society and its educational system.

Pre-requisite: None

EDPC655 EDUCATIONAL TECHNOLOGY IN EARLY CHILDHOOD SETTINGS

This course aims at enhancing teacher trainees' understanding of various applications of educational technology, so as to empower them to use technology effectively in kindergartens. It provides an overview of the latest development of technology for teaching and learning, with an emphasis on its use with appropriate instructional designs in the early childhood education (ECE). To achieve this end, this course will examine how to integrate instructional methodology with contemporary educational technology within ECE learning contexts and how to fulfil the objectives of the ECE curriculum based on instructional models. After completion of the course, teacher trainees will be able to integrate educational technology in supporting young learners'

development in different disciplinary areas, resolve issues arising in this process and take up related challenges with confidence and efficacy.

Pre-requisite: None

EDPC656 ASSESSING YOUNG CHILDREN

To enable students a comprehensive understanding of young children's learning and development, this course provides an overview of educational assessment and introduces the principles and practices of authentic assessment which is highly valued in early childhood education. It explains why and how infants and young children should be assessed, discusses the contexts for authentic assessments, illustrates multiple strategies for collecting information on children's learning and development, and highlights the importance of conducting systematic observations and recording in the information collecting process. Through this course, students will understand how to utilize assessment information in improving the curriculum and teaching quality and facilitating parent-school partnership. Assessment practices will be linked to the local curriculum guideline which also underpins authentic assessment as the principal means of assessing young children. Ethical issues in this area will also be discussed.

Pre-requisite: None

EDPC657 PARENTAL EDUCATION AND INVOLVEMENT

Family plays an important role in the child's upbringing. The course aims to explore how we, as teachers, can empower the parents to play a role in the positive development of the child. Emphasis is put on possibilities and strategies concerning the implementation of parent education and parental involvement in the local school context. Topics include: integrated approach to building staff-parent partnerships, family relationship and personal growth, disciplining methods and principles, parental ethics, development and implementation of parent education, and family-school collaboration.

Pre-requisite: None

EDPC658 GUIDANCE AND COUNSELING IN EARLY CHILDHOOD

This course aims at equipping students of early childhood education with the knowledge of guidance and counselling so that they are able to take up the role of teacher-counsellors. This course will introduce classical and contemporary theories in guidance and counselling and include five components to facilitate the united growth of young children: basic concepts of guidance and counselling, personal growth, personal and social education, problem behaviours in early childhood, and counselling techniques. Various approaches of working with families in guiding children's behaviours are also covered.

Pre-requisite: None

EDPC659 INCLUSIVE EDUCATION

This course aims at introducing students to the development, rationale and principles of inclusive education as a foundation of the field, and to the policy, general situation and resources with regard to inclusive education in Macao. The course provides guidelines on various elements of inclusive lessons and classes. The content includes child learning and classroom settings, programme and lesson planning, and assessment and classroom management of children with special needs or behavior problems. In addition, to guard students from work-stress as future inclusive teachers, the course will help them develop observation and analysis skills to note differences among young children and to understand children with disabilities in the inclusive classroom. It will also provide students with opportunities to learn how to enrich learning environment with educational resources for special needs and how to work effectively with professional groups and parents.

Pre-requisite: None

EDPE101 WELLNESS AND SPORT PRACTICE

Physical Education (PE), which is composed of theory and sport practice with individual and team sports, provided a general overview divided into two parts. Part I covers sport relevant theories including the function of sports in life, sports injury prevention & treatment, and physical

fitness & exercise prescription while Part II is skill-based practice in both team and individual sports. After completing the PE study, students will not only meet individual need and develop the concept of total well-being, but also can apply and transfer what they have learned to their lifestyle and lifelong activities. Students are expected to achieve general standards in their chosen sports.

Pre-requisite: None

EDPE111 PHYSICAL EDUCATION - BADMINTON

The Purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one sport activity to study over the semester. In this programme, the nature and characteristics of Badminton will be examined both theoretically and practically. Associated with these experiences, students are expected to achieve level one or similar proficiency qualification in the sport chosen.

Pre-requisite: None

EDPE112 PHYSICAL EDUCATION - BASKETBALL

The Purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one sport activity to study over the semester. In this programme, the nature and characteristics of Basketball will be examined both theoretically and practically. Associated with these experiences, students are expected to achieve level one or similar proficiency qualification in the sport chosen.

Pre-requisite: None

EDPE113 PHYSICAL EDUCATION – SPORT CLIMBING

The Purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one sport activity to study over the semester. In this programme, the nature and characteristics of Sport Climbing will be examined both theoretically and practically. Associated with these experiences, students are expected to achieve level one or similar proficiency qualification in the sport chosen.

Pre-requisite: None

EDPE114 PHYSICAL EDUCATION – TABLE TENNIS

The Purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one sport activity to study over the semester. In this programme, the nature and characteristics of Table Tennis will be examined both theoretically and practically. Associated with these experiences, students are expected to achieve level one or similar proficiency qualification in the sport chosen.

Pre-requisite: None

EDPE115 PHYSICAL EDUCATION – TENNIS

The Purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one

sport activity to study over the semester. In this programme, the nature and characteristics of Tennis will be examined both theoretically and practically. Associated with these experiences, students are expected to achieve level one or similar proficiency qualification in the sport chosen.

Pre-requisite: None

EDPE116 PHYSICAL EDUCATION – SQUASH

The Purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one sport activity to study over the semester. In this programme, the nature and characteristics of Squash will be examined both theoretically and practically. Associated with these experiences, students are expected to achieve level one or similar proficiency qualification in the sport chosen.

Pre-requisite: None

EDPE117 PHYSICAL EDUCATION – KORFBALL

The Purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one sport activity to study over the semester. In this programme, the nature and characteristics of Korfbal will be examined both theoretically and practically. Associated with these experiences, students are expected to achieve level one or similar proficiency qualification in the sport chosen.

Pre-requisite: None

EDPE118 PHYSICAL EDUCATION – SWIMMING

The Purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one sport activity to study over the semester. In this programme, the nature and characteristics of Swimming will be examined both theoretically and practically. Associated with these experiences, students are expected to achieve level one or similar proficiency qualification in the sport chosen.

Pre-requisite: None

EDPE119 PHYSICAL EDUCATION – VOLLEYBALL

The purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one sport activity to study over the semester. In this programme, the nature and characteristics of Volleyball will be examined both theoretically and practically. Associated with these experiences, students are expected to achieve level one or similar proficiency qualification in the sport chosen.

Pre-requisite: None

EDPE120 PHYSICAL EDUCATION – FENCING

The purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one sport activity to study over the semester. In this programme, the nature and characteristics of

Fencing will be examined both theoretically and practically. Associated with these experiences, students are expected to achieve suitable proficiency in the sport chosen.

Pre-requisite: None

EDPE121 PHYSICAL EDUCATION – FITNESS EXERCISES

The purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one sport activity to study over the semester. In this programme, students are able to learn the health principles and relationship with fitness development. Associated with these experiences, students are expected to get familiar with the use of fitness equipments and develop regular behavior in physical activities.

Pre-requisite: None

EDPE122 PHYSICAL EDUCATION – FOOTBALL

The purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The course aims to achieve such purposes through the learning of different sport activities. Different racket games, team and individual sport activities will be introduced. Students are allowed to choose one sport activity to study over the semester. In this programme, the nature and characteristics of Football will be examined both theoretically and practically. Associated with these experiences, students are expected to achieve level one or similar proficiency qualification in the sport chosen.

Pre-requisite: None

EDPE123 PHYSICAL EDUCATION - BOWL

The aims of the course are (1) to familiarize the students with the Woodball and (2) encourage the people to play the Woodball sport more often. The course will introduce the balls to universities of Macao and let the students try different types of balls. The woodball is the origin from golf, a Taiwanese who loves the exercise of golf transforms it into a new kind of sport which costs lesser than golf. The game is simple, easy to learn and very convenient to play because it only needs a stick, a wooden ball and varies channels. However, it is challenging as it needs body constitution and skills. It is suitable to everyone no matter you are a boy or girl, young or old. Although the woodball is just using a stick to hit the balls, it requires the spirit and body to act together, and will have a very beautiful posture. Besides, the balls will not constraint or limited to the size of the playground, a green place, a garden or even a small hill will do. As the ball is wooden it will not have dangers of flying over and hit others. It is safe. The students can practice in the green environment and relax themselves.

Pre-requisite: None

EDPE124 PHYSICAL EDUCATION – TAI CHI CHUAN (24 STYLES)

Martial art, mainly based on attacking, is performed actively through a pattern or attacking movements, and of which it is a tradition of China which concentrates on both the inner and outer training. Martial art is not only a sport, but also a sport for the tradition, which is a possession and pride of the Chinese culture. Cudgel belongs to one of the long weapons of all which is composed of actions of strike, sweep, pick, stir, poke and jab, etc. Combining with movements of the legs different forms are created; while practicing the forms integration of the arms and stick is critical to show the fierce, speedy characteristic of Cudgel.

Pre-requisite: None

EDPE125 PHYSICAL EDUCATION – LONG FIST

Martial art, mainly based on attacking, is performed actively through a pattern or attacking movements, and of which it is a tradition of China which concentrates on both the inner and outer training. Martial art is not only a sport, but also a sport for the tradition, which is a possession and pride of the Chinese culture. For Long Fist it is mainly composed of hand

movements such as fist, paw, and hook actions and of leg movements such as bowing, horse, squat, empty, and rest stances. Other movements may include skipping, jumping, twisting, up and down turns and somersault, etc. which make the actions and performance more smooth, flexible, speedy, and interesting.

Pre-requisite: None

EDPE126 PHYSICAL EDUCATION – CUDGEL

Martial art, mainly based on attacking, is performed actively through a pattern or attacking movements, and of which it is a tradition of China which concentrates on both the inner and outer training. Martial art is not only a sport, but also a sport for the tradition, which is a possession and pride of the Chinese culture. Cudgel belongs to one of the long weapons of all which is composed of actions of strike, sweep, pick, stir, poke and jab, etc. Combining with movements of the legs different forms are created; while practicing the forms integration of the arms and stick is critical to show the fierce, speedy characteristic of Cudgel.

Pre-requisite: None

EDPE127 PHYSICAL EDUCATION – SHAN DA

San Da is a modern Chinese hand to hand combat, self-defense system and sport. Not seen as an independent style, San Da is rather considered just a synthesis of traditional Chinese martial arts fighting techniques into a more amorphous system. The main techniques of San Da include most aspects of combat including punches, kicks, striking, grappling, throwing. During the teaching process, basic techniques, combination of offence & defense, and practical application are the main contents. Training of general and special physical fitness is beneficial to improve healthy level and physical fitness.

Pre-requisite: None

EDPE128 PHYSICAL EDUCATION- LONG FIST AND TAI CHI CHUAN 24 STYLE

Long Fist, or Chang Quan, is a general name for several styles of Martial arts, including Cha Chuan (Cha style), Mei Hua (Plum Flower), Fan Zi (alternately known as Tumbling or Flashing/Lighting Fist), Shaolin and others. The third basic long fist form, or Long Fist 3, is the modern form based on traditional techniques and routines of Long Fist. It has four parts and 36 styles totally. Tai Chi Chuan is a main division of the traditional Chinese martial art. Retaining the traditional flavor of Yang style's longer hand forms of Tai Chi Chuan, 24 simplified Tai Chi form takes four and eight minutes to perform and give the beginner an introduction to the essential elements of Tai Chi Chuan. It's a good exercise method for health. Practicing Tai Chi Chuan should exercise both externally and internally, physically and mentally, trying to keep the balance and unity of outer and inner part of the body. 24 simplified Tai Chi Chuan can be divided into 8 sets or 24 postures. This course places emphasis on fluidity in movement and clean technique of Long Fist 3 and 24 Simplified Tai Chi Chuan.

Pre-requisite: None

EDPE129 PHYSICAL EDUCATION – AEROBIC DANCE

The purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The 1-credit programme aims to achieve such purposes through the learning of different sport and dance activities. Different games, dance and sport will be introduced. Students are allowed to choose one activity to study over the semester. In this programme, the nature and characteristics of Aerobic Dance will be studied both theoretically and practically. Associated with these experiences, students will have chances to improve their physical efficiency through dancing activities.

Pre-requisite: None

EDPE130 PHYSICAL EDUCATION – SOCIAL DANCE

The purpose of physical education is to provide holistic development in a person's physical, mental, intellectual and emotional qualities through physical activities. The 1-credit programme aims to achieve such purposes through the learning of different sport and dance activities. Different games, dance and sport will be introduced. Students are allowed to choose one activity

to study over the semester. In this programme, the nature and characteristics of Social Dance will be introduced both theoretically and practically. Associated with these experiences, students will have chances to improve their dance skills and social abilities through social dance activities.

Pre-requisite: None

EDPE701 ADVANCED EXERCISE PSYCHOLOGY

This programme aims to introduce methods of the application of sport psychology in sport studies and the teaching of physical education. Students will have chances to familiarize with a range of techniques in learning. They will be invited to evaluate critically the sport chosen by different theoretical principles and research support for these procedures. Coaches and physical educators will find useful in this study as it covers the theoretical aspects of sport behavior and the establishment of a knowledge base for sport participation and performance development.

Pre-requisite: None

EDPE702 CURRICULUM AND TEACHING OF PHYSICAL EDUCATION

This programme aims to provide participants with an opportunity to explore the socially constructed nature of schooling, curriculum, teaching and learning in the field of physical education and sport studies. Current issues on teachers' work will be investigated. Recent research and theory that examines the roles of teachers in facilitating students' learning will be reviewed and critiqued. The programme covers a series of core sessions in curriculum planning, assessment, school-based curriculum development, learning and effectiveness in teaching. Depending on the professional interests of participants, remaining sessions will be negotiated to ensure that current curriculum in physical education is examined.

Pre-requisite: None

EDPE703 ADVANCED EXERCISE PHYSIOLOGY

The programme introduces the nature of human body and examines its biological nature to the teaching and learning of physical education. Students will have chances to focus on human anatomy, exercise physiology and its biomechanics principles to development of movement exercises. The programme also aims to promote an understanding of the variety of laboratory and field skills used in the biomechanical assessment of the exercising human. The purpose is to enhance human performance growth in physical education and sport through the knowledge of body science.

Pre-requisite: None

EDPE751 COMPARATIVE PHYSICAL EDUCATION AND SPORT

This programme explores current programmes of physical education and sport development in various countries of the world and the reasons for their development, similarities and differences as well. Discussions will be concerned with the political, economic and philosophical ramifications affecting the development of physical education and sport programmes. Topics such as amateurism, apartheid, violence and Olympic movement will be included.

Pre-requisite: None

EDPE752 SPORTS, RECREATION AND LEISURE STUDIES

The programme provides a thorough review of the impact of sport, recreation and leisure to community and its educational processes to an individual's leisure lifestyle development. Different social and recreational theories will be examined. The aim is to enhance the growth of a health society through various physical and sport activities. The programme will also focus on the role and impact of different group dynamic approaches and the awareness of these approaches to professional development in sports, recreation and leisure studies.

Pre-requisite: None

EDPE753 EFFECTIVE LEARNING AND LEARNING IN PHYSICAL EDUCATION

This programme examines ways in which current understanding of cognitive processes related in knowing and thinking are contributors to the process of learning. Consideration will be given

to constructivist and generative approaches in learning and how schema theory facilitates the development of knowledge and problem-solving skill under the perspectives in physical education. Emphasis will also be placed on connections between such knowledge to the learning of physical activities in school. Issues of transfer of learning, creativity and facilitation of self-regulation in the learner will be examined.

Pre-requisite: None

EDPE754 EXERCISE AND NUTRITION

The course introduces the basic knowledge of nutrition and discusses the interactions between nutrition and exercise. Subject contents relating to diet, energy intake, expenditure, weight control and nutrient supplements for leisure, entertainment or competitions are also addressed. After the course, students will be able to apply related knowledge to serve different people in sports.

Pre-requisite: None

EDPE755 SPORTS SOCIOLOGY

Sociology and philosophy are the fundamental platform for study of physical education and sport. This programme aims at equipping students with a philosophical mind and serves as tool for the critical examination of the subject. This programme initiates participants into considering current and possible future practice in the teaching of physical education in schools and promotion of sport in society by three sub-disciplines: philosophy, sociology and history in physical education and sport. Apart from a global perspective, the social and historical contexts of mainland China, Macao and Hong Kong will also be investigated.

Pre-requisite: None

EDPE756 PHYSICAL ACTIVITY AND HEALTH

This course covers identifying the role of lifestyle behaviors to reach optimal health and well-being. Base on a holistic understanding of health, the principles and the latest research findings will be used to examine human behaviors and factors that affect involvement in regular physical activities.

Pre-requisite: None

EDPE757 SPECIAL TOPICS IN PHYSICAL EDUCATION & SPORT STUDIES

This course covers the current and new topics, new trends, and new research findings, in the area of physical education and sport studies. The actual topics may differ as this course is offered at different times, to reflect the new developments and directions of this field. In this graduate level course, students will engage in more recent research and practice in the area of physical education and sport studies.

Pre-requisite: None

EDSC701 THEORIES IN COUNSELING PROFESSION

This course provides an overview of classical and contemporary theories in counseling to consolidate a foundation on which various counseling techniques and services are built. Ethical issues in the counseling profession are also addressed.

Pre-requisite: None

EDSC702 EDUCATIONAL & PSYCHOLOGICAL ASSESSMENT

This course introduces to students the concepts, principles, and methods in educational/psychological measurement. Topics include reliability, validity, item analysis, scores, score reports (for example grades). Emphasis is on construction, interpretation, use, and evaluation of assessments regarding achievement, aptitude, interests, attitudes, personality, and exceptionality. The integration of assessment data into a comprehensive psychological report including associated recommendations for intervention is an essential component of this course.

Pre-requisite: None

EDSC703 ADVANCED COUNSELING SKILLS

This course attempts to reinforce students' counseling skills by role-play and demonstrations in a class setting. These micro-counseling sessions will be recorded with the use of audio-visual equipment for later discussions, reflective thinking, critical evaluation by peers and the respective instructor. Students will be closely supervised to advance in confidence, competence, and counseling techniques. The course will also focus on the development and maintenance of the counseling relationship.

Pre-requisite: None

EDSC751 CAREER COUNSELING

This course introduces students to a variety of career counseling strategies needed to provide guidance for prospective graduates and human resources in the work force within the current context of economic shift, high unemployment and change in job nature. The course also gives an overview of issues in the pursuit of a career such as gender and socio-economic status.

Pre-requisite: None

EDSC752 GROUP COUNSELING

This course examines both the theory and practice of group counseling. It is a combination of didactic and experiential activities. Uses of groups for growth, prevention, and therapy are explored. Students will learn a basic understanding of group leadership roles, therapeutic factors of group counseling, and stages of group process. They will observe and participate in the dynamics of group interaction.

Pre-requisite: None

EDSC753 FAMILY COUNSELING

This course examines the various factors constituting to familial problems such as dissatisfactory marriage, family violence, divorce, and child-abuse. Theories and assessments of different interventions as well as solution-focused and emotion-focused approaches to relationship therapy will be practised through role-play of family interviewing. The course will also overview the shift in the value system within the local context.

Pre-requisite: None

EDSC754 ABNORMAL PSYCHOLOGY IN ADOLESCENCE

This course will focus on the current issues in adolescent psychopathology. Students will learn to explore how biological, psychological, and sociocultural factors contribute to the development of adolescent psychopathology. It will also discuss the impact of psychopathology on the individual, the family and the community. The examination of etiology, treatment and prevention approaches for adolescence will be included.

Pre-requisite: None

EDSC755 SPECIAL TOPICS IN SCHOOL COUNSELING

This graduate level course covers the current and new topics, new trends, and new research findings, in the area of school counseling. The actual topics may differ as this course is offered at different times, to reflect the new developments and directions of this field. The graduate level course will expose the students to the new thoughts, new developments, more recent research and practice in the area of school counseling.

Pre-requisite: None

EDSC756 COUNSELING PRACTICUM I

This course provides students who are training to become school counselors with the opportunity to incorporate the knowledge and skills grown in prior and concurrent learning experiences and apply them in practical settings. Students are expected to complete a minimum of 100 hours of in-direct and direct service with clients under close supervision of an experienced psychologist/counselor. Target clients can be from educational settings or the local community. Individual and group debriefing sessions will be scheduled on a regular basis.

Pre-requisite: None

EDSC757 COUNSELING PRACTICUM II

This course requires counselors-in-training to participate in advanced individual and group clinical practice with intensive guidance on counseling skills, problem-solving, and interpersonal relationships. Students are expected to further complete a minimum of 100 hours of direct service with clients under close supervision of an experienced psychologist/counselor. Target clients can be from families, educational settings or the local community. Individual and group debriefing sessions will be scheduled on a regular basis.

Pre-requisite: Counseling Practicum I

EDUC180 教育學導論 INTRODUCTION TO EDUCATION

This course aims to help students understand the general law of the human education system. From historical, theoretical and practical perspectives, the course explores (1) the fundamentals of education, (2) the relationship between education and social, political, economic and cultural developments, and (3) the relationship between education and human physical and mental developments (4) education purposes (teleology), and (5) the relationship between teachers and learners. It also discusses issues about education systems/structure, curriculum and instruction, moral education, educational management, etc.

Pre-requisite: None

EDUC181 教育哲學 PHILOSOPHY OF EDUCATION

This course is designed to show the important influence of educational philosophy on different philosophical theories. All educators and educational investigators should be equipped with a knowledge base of Western and Chinese educational philosophies in order to seek a correct educational orientation. The course will cover topics such as the definition of philosophy and education, their relationships and their basic problems, with a systematic analysis, comparison and evaluation of various schools of educational philosophies, studying their advantages and disadvantages and their influences on teaching. Other topics include analysis of educational concepts, critique of educational philosophies, examination of classical educational doctrines, evaluation of modern educational problems and reflection on one's educational beliefs and aspirations.

Pre-requisite: None

EDUC280 課程與教學論 THEORIES OF CURRICULUM & INSTRUCTION

Theories of Curriculum and Instruction provide students with basic principles of modern curriculum and instruction. It aims to improve their professionalism and teaching efficiency in all their working processes, put basic principles into creative practices, set clear objectives, select and organize contents, implement and evaluate curriculums under the guidance of ideal educational values and goals. It also helps to effect leadership in the teaching process, create an exciting learning situation and deeply involve the students in teacher-student interactions with the support of new instruction models, strategies and methods.

Pre-requisite: EDUC180

EDUC281 教育社會學 SOCIOLOGY OF EDUCATION

This is an introductory course on the Sociology of Education. It provides a brief introduction to the basic sociological concepts and perspectives. By applying these concepts and perspectives, the course intends to let participants have a broad and profound understanding of Macao society and its educational system.

Pre-requisite: None

EDUC282 教育評鑑 EDUCATIONAL ASSESSMENT

This course is designed to give a fundamental understanding of the major aspects of assessment in the classroom, in education and in society. It sets the stage for educators to develop and conduct assessment in practice. Topics include purposes and principles of assessment, planning the assessment process, choosing and developing appropriate tools. This course covers, but is not limited to, the following basic concepts: formative versus summative

assessment, norm versus criteria reference, high versus low stake tests, objective versus subjective items, standard setting, item analysis, difficulty and discrimination index, reliability and validity, etc. After completion of the course, participants are expected to take reasonable steps to ensure that their tests are of sufficient quality to give useful results and for making correct interpretations.

Pre-requisite: None

EDUC380 教育心理學 EDUCATIONAL PSYCHOLOGY

This course aims to give a systematic introduction to the main concerns in educational psychology, including human development, students' learning, learning motivation, instruction and evaluation, and individual differences. Also, this course will emphasise the application of the related knowledge in educational settings.

Pre-requisite: None

EDUC381 資訊科技融入教學 INTEGRATING IT INTO TEACHING AND LEARNING

The aim of this course is to equip the students with the latest theoretical knowledge in multimedia learning, practical skills on computer tools, and a critical understanding of the application and value of IT in teaching and learning so as to allow students to implement, integrate and manage IT in their actual classroom environment.

Pre-requisite: None

EDUC382 教育行政 EDUCATIONAL ADMINISTRATION

This course allows students to understand the basic concepts of educational administration. Students will study and discuss Macao educational acts and decrees. They will also learn the basic theories related to educational administration, such as theories with regard to motivation, leadership, communication and organizational decision-making. Attempts will be made to make this course related to the educational reality in Macao.

Pre-requisite: EDUC180

EDUC383 教育研究 EDUCATIONAL RESEARCH

The main aim of this course is to enable a qualified teacher to use, understand, analyze and evaluate research outcomes. The course includes: (1) the basics of educational research, (2) structure and procedures of education research, (3) research variables, (4) hypotheses and topics, (5) literature review, (6) on-line search, (7) sampling, (8) questionnaires, (9) correlation analyses, (10) interviews, (11) case studies, (12) evaluation of research reports, (13) educational research ethics, etc.

Pre-requisite: None

EDUC384 特殊教育導論 INTRODUCTION TO SPECIAL EDUCATION

This course is designed to provide an introduction to the characteristics of children with special needs or disabilities. Emphasis will be put on several types of children with special needs—learning disabilities, emotional and behavioural disorders, attention deficit and hyperactivity, and mild mental disability. This course also provides some practical guidelines and practices on how to teach in integrated/inclusive classrooms.

Pre-requisite: EDUC180 and EDUC380

EDUC385 特殊教育 SPECIAL EDUCATION

This course helps students to understand more about children with special needs. It introduces the definitions, causes, characteristic and categories of the disabilities in early childhood. The content will also cover instructional theories, principles and tactics, assistance methods, IEP and programme planning, assessment for children with special needs, and positive attitude. Through this course, students will be able to help these children more effectively with early intervention or special education programmes to assist their potential developments. In addition, students will be taught how to make use of the pre-school and school-age special education measures and services in Macao in order to help those children and their families, and they will understand the

effects and importance of parents' and professional teams' participation in the education of children who have special needs.

Pre-requisite: EDUC180 and EDUC380

EDUC386 中學教室管理 CLASSROOM MANAGEMENT (SECONDARY)

This course is designed to give students a broad overview of classroom management, including its base in theory, application in practice and implication. At the theoretical level, topics include different approaches to class management, establishing effective rules and procedures and classroom management systems. At the application level, topics include managing individual student behaviour, managing behaviour in a variety of instructional formats and examining the causes of and solutions to disruptive and noncompliant behaviour and classroom management problems that are within the control of the classroom teacher. The goal of the course is to help students develop their own approach to build an inclusive, productive and well-structured learning environment conducive to high levels of student support and accomplishment.

Pre-requisite: EDUC180 and EDUC380

EDUC482 學校諮詢與輔導 SCHOOL COUNSELLING AND GUIDANCE

This course aims to introduce school counselling theories and classroom management techniques. It covers basic counselling knowledge and skills to facilitate the personal growth of teachers and their students. Furthermore, the course encourages teachers to practise their counselling skills within their school settings.

Pre-requisite: None

EDUC483 教師論理與教師專業發展

TEACHER ETHICS AND TEACHER PROFESSIONAL DEVELOPMENT

The aim of this course is to prepare students to develop teachers' professional morality. After that, they can give their students 'whole-person' education by integrating teachers' instruction, their model and their environment. The experience and the development of teacher's professional morality are fully represented in the different relationships in their work, including facing themselves, their colleagues, students, students' parents and society. The content of this course includes learning different principles of teachers' professional ethics, and how to use and develop these theories reasonably in their teaching lives.

Pre-requisite: None

EDUC701 RESEARCH METHODS IN EDUCATION

This course aims at developing in students an understanding of quantitative and qualitative methods of collecting, analyzing, and interpreting data in educational research. Quantitative topics include application of statistical concepts/procedures, graphs, numerical summaries; normal distribution, correlation/regression analyses, probability, statistical inferences for one or two samples, hypothesis tests, chi-square tests, and factor analysis. Qualitative topics include data analyses in case studies, observations, and ethnography studies.

Pre-requisite: None

EDUC751 QUALITATIVE RESEARCH IN EDUCATION

This is the intermediate master's level course on qualitative method. Students will learn two central issues in qualitative research: 1) design and implement a scientifically valid qualitative study; 2) Analyzing qualitative data. This course will expose students to different paradigms in qualitative research including but not limited to: ethnography, grounded theory, participatory action research, and case study. The purpose of this course is to provide working knowledge to students to conduct qualitative study using various qualitative methods, as well as helping students to understand their limitation.

Pre-requisite: Research method in education

EDUC752 QUANTITATIVE RESEARCH IN EDUCATION

This is the intermediate master's level course on quantitative method. Students will have the opportunity to learn a variety of statistical methods. The primary methods to be introduced will include: multiple regression, factor analysis, principal component analysis, analysis of variance and covariance. Other advanced statistical technique such as multilevel models, structural equation models, and causal inference models will be introduced. The purpose of this course is to lay the foundation for quantitative analysis of education issues. Practical issues such as analyzing quantitative data with statistical tools will be covered to provide hands-on experience to students.

Pre-requisite: Research method in education

EDUC753 ACTION RESEARCH

This course provides a foundation for educators to become active inquirers in the day-to-day experiences that occur in a classroom. It explores evidenced-based techniques and strategies that guide instructional decision-making and positively impacts educational practices.

Pre-requisite: None

EDUC801 QUALITATIVE RESEARCH METHODS

This course is designed to introduce graduate students to qualitative research, including the epistemological underpinnings of different approaches to qualitative research, the social theoretical paradigms informing different approaches, ethical considerations and issues of reflexivity/positionality/legitimacy, and the methodological nuts-and-bolts in conducting qualitative inquiry. Class readings will be of three types: epistemological/theoretical issues of research paradigms, 'how-to' pieces that stress techniques and ethical conducts, and empirical examples. We will approach qualitative methods used by researchers in several disciplines (primarily anthropology, sociology, and education). Students are expected to work on their ongoing pilot projects throughout the semester, prepare to discuss the process of each stage in class, demonstrate grasp of epistemological, ontological, ethical, and methodological issues and debates gleaned from course readings and be ready to critique them, and complete the final write-up of their pilot project as the final product of the class.

Pre-requisite: Introducing Qualitative Research, or equivalent; or based on instructor's consent.

EDUC802 APPLICATIONS OF ADVANCED QUANTITATIVE METHODS

This course provides coverage of some widely-used advanced quantitative methods in education and other social and behavioral sciences (e.g., psychology, sociology, political science, etc.). Application of these advanced quantitative methods in evidence-based research is often important for the quality of the research products, and is often expected by internationally competitive journals. The major topics covered in this course are: multiple regression analysis (review), hierarchical linear modeling (HLM), exploratory factor analysis (EFA), confirmatory factor analysis (CFA), and structural equation modeling. Both conceptual understanding of these topics and analytical implementation of these techniques in practice will be emphasized. This course will provide the analytical foundation for doctoral students in using these more advanced analytical approaches in evidence-based empirical research.

Pre-requisite: Introducing Quantitative Research, or equivalent; or based on instructor's consent.

EDUC803 RESEARCH ETHICS

This course is intended to provide a foundation for PhD students to think critically about what it means to be an ethical researcher. During this course students will critically analyse research ethics topics and case studies, and learn how to conduct a research project from an ethical standpoint. By understanding and reflecting upon research ethics-specific issues, students will assimilate the importance of scientific integrity while acquiring key reasoning skills that will significantly increase the scientific quality and impact of their future research.

Pre-requisite: None

EDUC804 RESEARCH WRITING

The purpose of this course is to provide PhD students with necessary instruction of advanced research writing skills in their fields. Students will be taken through the process of reviewing literature and writing academic articles. During this course, students will conduct an actual research study in their field, and write up the finding as an academic manuscript. This would be done through lectures, small group discussion, and individual consultation. Students will be fully in charge of their own research project and encouraged to develop their own writing style.

Pre-requisite: None

EDUC805 INTRODUCTION TO EDUCATIONAL RESEARCH

The purpose of this course is to provide an introduction to a variety of research approaches and procedures common to the field of education. Conceptual, procedural and analysis issues from a wide variety of areas will be covered. Students will have a good awareness of the range of procedures that may be applied to different types of research and the guidelines to be used in selecting a set of appropriate research methods. This course will become a primary mechanism by which students develop a broad sense of the discipline of education and use the knowledge to identify possible thesis topics.

Pre-requisite: None

EDUC806 INTRODUCING QUALITATIVE RESEARCH

This course is designed for students with little or no prior experience with qualitative research methods. The aim of the course is to familiarize students with various aspects of qualitative research strategies, as practiced by educational researchers. The course, conducted in the form of a seminar, covers a wide range of issues to help students to design, conduct, evaluate, and reflect upon qualitative research work. This introductory course can serve as a prerequisite, but not necessary if students already have prior knowledge in the subject matter, to the "Qualitative Research Methods" course.

Pre-requisite: None

EDUC807 INTRODUCING QUANTITATIVE RESEARCH

This course is designed for students with little or no prior experience with quantitative research methods. This course provides an introduction to quantitative methods used in educational research, particularly descriptive statistics and elementary inferential statistics. Topics include formulating research questions, research design, sampling, descriptive analysis, bivariate relationships, regression, analysis of variance etc. This course is required for all students enrolled in the doctoral programme of FED.

Pre-requisite: None

FEDG211 WONDERS IN LIFE SCIENCE AND HEALTH: PERSONAL HEALTH & SUSTAINABILITY

The purpose of this course is to understand the principles and concepts of health and hygiene, to examine the human behavior factors that affect their engagement in daily life and to learn the sustainable methods and practice on health. Topics such as stress and health, physical activity and health, nutrition and health, weight management, mental health, drugs abuse, knowledge about HIV & AIDS, and emergency & first aid will be examined.

Pre-requisite: None

MUSC115 MUSICIANSHIP I

This course aims to develop fundamental knowledge in understanding basic music theory and in note reading, sight singing, and ear training accurately. Rhythmic and melodic dictation and training are also included in the course. Furthermore, piano training will be included, and students will be able to play easy songs with the primary level by the end of the semester.

Pre-requisite: None

MUSC125 MUSICIANSHIP II

This course is the continuation of Musicianship I. It aims to develop knowledge in understanding intermediate music theory and in note reading, sight singing, and ear training accurately.

Furthermore, piano training will continue to be included and students will be able to play songs in the intermediate level by the end of the semester.

Pre-requisite: MUSC115 or equivalent (by audition)

MUSC210 TEACHING OF MUSIC I

This 1.5 credit hour course aims at equipping students with knowledge and skills of teaching music at pre-primary level in Macao background. Students will learn some basic concepts of music teaching including principle of preparing lesson plan, and techniques of designing and demonstrating music elements incorporated in activities.

Pre-requisite: MUSC115

MUSC250 TEACHING OF MUSIC II

Based on the prior 1.5 credit hour course experiences, students in this course will explore further on some popular music education theories. Students will have more chances to demonstrate teaching music creatively with proper musical language. These include selecting and editing good music literature as material, creating rhythmic movement and instruments for kids, and building their own music library for long-term teaching, etc.

Pre-requisite: MUSC210

MUSC350 MUSICIANSHIP III - ORFF/KODALY MUSIC TEACHING METHODS

This course provides student teachers with advanced study of music teaching methodologies in the general music classroom, with the main focus on applications of the internationally well-known Orff Music Method and Kodaly Music Method. Moreover, the course will cover music learning theories combined with appropriate lesson planning for the music class. Students taking this course will have a concrete understanding of how to conduct and teach a music class at the elementary level. Furthermore, different music textbooks and materials will also be analyzed and discussed in this course.

Pre-requisite: MUSC115 and MUSC125

PPEB120 PHILOSOPHY OF EDUCATION

This course is designed to show the important influence of educational philosophy on different philosophical theories. All educators and educational investigators should be equipped with a knowledge base of Western and Chinese educational philosophies in order to seek a correct educational orientation. The course will cover topics such as the definition of philosophy and education, their relationships and their basic problems, with a systematic analysis, comparison and evaluation of various schools of educational philosophies, studying their advantages and disadvantages and their influences on teaching. Other topics include analysis of educational concepts, critique of educational philosophies, examination of classical educational doctrines, evaluation of modern educational problems and reflection on one's educational beliefs and aspirations.

Pre-requisite: None

PPEB121 EARLY CHILDHOOD DEVELOPMENT

The aim of this course is to instill into teachers, who work with 0 to 8-year-old children, a thorough understanding of the developmental changes at this stage of life, the role that genetics play in human development, as well as some common childhood disorders. Different theories of child development are introduced to provide students with an all-rounded knowledge of children's united growth which lays the foundation for effective teaching and learning.

Pre-requisite: None

PPEB210 SOCIOLOGY OF EDUCATION

This is an introductory course on the Sociology of Education. It provides a brief introduction to the basic sociological concepts and perspectives. By applying these concepts and perspectives, the course intends to let participants have a broad and profound understanding of Macao society and its educational system.

Pre-requisite: PPEB110

PPEB211 TEACHING OF FUNDAMENTAL MOTOR MOVEMENT

The course introduces the correlative theories on the development of physical and motor movement in early childhood, to know the foundations for Active Lifestyles for student teacher to develop child's movement skills and gross motor learning and to plan movement activities and lessons for fun. The primary purpose of the course is enable students to apply principles of child motor development and learning to lesson planning. It will prepare students to teach, organize and manage lessons, make groups, demonstrate skills (locomotors, gymnastics and rhythmic movement) and give feedback to young children to enhance their motor skill and movement experience.

Pre-requisite: EDPE101

PPEB220 THEORIES OF CURRICULUM AND INSTRUCTION

Theories of Curriculum and Instruction provide students with basic principles of modern curriculum and instruction. It aims to improve their professionalism and teaching efficiency in all their working processes, put basic principles into creative practices, set clear objectives, select and organize contents, implement and evaluate curriculums under the guidance of ideal educational values and goals. It also helps to affect leadership in the teaching process, create an exciting learning situation and deeply involve the students in teacher-student interactions with the support of new instruction models, strategies and methods.

Pre-requisite: PPEB110

PPEB221 幼稚園中文教學 TEACHING OF CHINESE IN KINDERGARTEN

本課程旨在讓學員認識語文學習對幼兒發展的重要性，掌握中文語文活動的教學原理、方法及發展趨勢，並學會根據幼兒不同發展階段的需要，提供不同的語言教育。期望學員能透過本課程學會如何引起幼兒對學習語文的興趣，以及全面提高幼兒聽、說、讀、寫的能力。此外，學員亦能學會評鑑幼兒語文教學之模式，及檢視如何利用不同的資源及方法鷹架幼兒語文能力的發展。

Pre-requisite: None

PPEB224 CHILDREN'S MATHEMATICAL ACTIVITIES

Mathematics has always been taken seriously by educational institutions as an important discipline. In fact, mathematical concepts exist in our everyday life. The aim of this course is to introduce teaching principles and strategies that facilitate 0 to 8-year-old children's mastery of some basic mathematical concepts. It also attempts to illustrate ways to make children understand the relationship amongst simple mathematical concepts and the connection of these concepts to their everyday experiences as well as ways to foster children's interest in mathematical thinking through integrating mathematics into an overall design in curriculum and instruction.

Pre-requisite: None

PPEB250 INTEGRATED CREATIVE ACTIVITIES

This course will examine the theories of creative thinking, provide students with a deeper and broader view of creative activities and enable them to put theory into practice in their everyday life and teaching. The content will also cover the development of children's creativity, the essential elements in creative thinking, and applications of the principles of teaching for creative thinking, expression and experiences.

Pre-requisite: None

PPEB251 PLAYING AND LEARNING

Human beings were born with the ability to play, an instinctive competence which facilitates our learning. Children's play is often mistaken as time-wasting and indulgence and its role in learning have often been neglected. The aim of this course is to re-shape students' understanding of play, especially free-play, and to highlight the value of play in children's growth and its functions in learning. It will also explore different types of play and analyse their roles in children's learning and development from various perspectives, re-state teachers' role in children's play, as well as demonstrate the relationship among play, personality and the realisation of children's potentials.

Pre-requisite: None

PPEB252 PARENTAL EDUCATION AND INVOLVEMENT

Family plays an important role in the child's upbringing. The course aims to explore how we, as teachers, can empower the parents to play a role in the positive development of the child. Emphasis is put on possibilities and strategies concerning the implementation of parent education and parental involvement in the local school context. Topics include: integrated approach to building staff-parent partnerships, family relationship and personal growth, disciplining methods and principles, parental ethics, development and implementation of parent education, and family-school collaboration.

Pre-requisite: None

PPEB253 CREATIVE PHYSICAL ACTIVITIES AND EQUIPMENT FOR YOUNG CHILDREN

The course aims to introduce the tried-and-true guidelines for students to explore child body awareness and physical movement with four basic movement concepts (body, space, effort, relationship) and their elements. It will also help students to create and modify equipment for enriching the learning environment. Students will learn how to apply the methods of integrated learning in lesson planning and teaching/learning activities.

Pre-requisite: None

PPEB311 SOCIAL AND CULTURAL ACTIVITIES

Based on the best practices in early childhood education, the course aims to help students understand the importance of the social domain in the kindergarten curriculum. Through this course, students will learn the designing of social and cultural activities, study the teaching and learning strategies in this area, and master the methods of helping young children develop social awareness and social competence in a democratic, culturally diverse and interdependent world.

Pre-requisite: None

PPEB312 HEALTH AND CARE IN EARLY CHILDHOOD

Childhood is the earliest, most vulnerable and difficult nursing stage and also the most important stage in our lives. This course will equip students with the knowledge and understanding of children's growth, health and care, the foundation of the pre-primary education field. It will introduce how to provide children with appropriate nutrition and how to handle their common diseases, injury and safety. Topics include principles of children's growth, their behavioural and emotional characteristics, analysis of the positive and negative factors and ways to provide a safe and healthy environment for growing children. Students can apply the theories and knowledge in kindergartens to promote health education and to work towards the goal of holistic health and care.

Pre-requisite: FEDG211

PPEB314 ENGLISH LANGUAGE ACTIVITIES

The course prepares students to teach English to pre-primary pupils who learn English as a second or foreign language (ESL/EFL), emphasising the practice of various language activities: games, songs, nursery rhymes, role plays, story-telling and worksheets, etc. In addition, students learn to design, adopt and adapt different teaching materials and teaching aids when planning an English lesson for pre-primary ESL/EFL pupils. Furthermore, students will have a better understanding of various language teaching approaches and their underlying theories. The course also includes important topics such as classroom English, lesson planning and teaching pronunciation.

Pre-requisite: None

PPEB315 EDUCATIONAL TECHNOLOGY IN EARLY CHILDHOOD SETTINGS

This course aims at enhancing teacher trainees' understanding of various applications of educational technology, so as to empower them to use technology effectively in kindergartens. It

provides an overview of the latest development of technology for teaching and learning, with an emphasis on its use with appropriate instructional designs in the early childhood education (ECE). To achieve this end, this course will examine how to integrate instructional methodology with contemporary educational technology within ECE learning contexts and how to fulfil the objectives of the ECE curriculum based on instructional models. After completion of the course, teacher trainees will be able to integrate educational technology in supporting young learners' development in different disciplinary areas, resolve issues arising in this process and take up related challenges with confidence and efficacy.

Pre-requisite: None

PPEB320 ASSESSING YOUNG CHILDREN

To enable students a comprehensive understanding of young children's learning and development, this course provides an overview of educational assessment and introduces the principles and practices of authentic assessment which is highly valued in early childhood education. It explains why and how infants and young children should be assessed, discusses the contexts for authentic assessments, illustrates multiple strategies for collecting information on children's learning and development, and highlights the importance of conducting systematic observations and recording in the information collecting process. Through this course, students will understand how to utilize assessment information in improving the curriculum and teaching quality and facilitating parent-school partnership. Assessment practices will be linked to the local curriculum guideline which also underpins authentic assessment as the principal means of assessing young children. Ethical issues in this area will also be discussed.

Pre-requisite: None

PPEB321 INTEGRATED GENERAL STUDIES AND SCIENTIFIC ACTIVITIES

This course aims to introduce the content of general studies and scientific activities and the concept that young children's living activities are undertaken in the natural and social environment. The course will help students introduce to children the different operational methods such as observation, comparison, communication, measurement, inference and forecast. The design of scientific games in this course will encourage children to take an active role in constructing scientific concepts and cognition. The content of this course includes (1) objective, meaning, affective manner and value of scientific inquiry; (2) objects; (3) exercise and energy; (4) living things; (5) the earth; (6) living things and the environment and (7) life education.

Pre-requisite: None

PPEB322 MOVEMENT PROGRAMME FOR YOUNG CHILDREN

This course helps students to understand the importance of movement for the different aspects (physical, affective and cognitive) of child development. The course gives equal stress on theories and practice. It enables student to put knowledge into practice through engaging in group discussion, planning movement station lessons, and designing movement programmes.

Pre-requisite: PPEB211

PPEB323 LANGUAGE AND LITERATURE FOR CHILDREN

This course elucidates issues in language acquisition and children literature to teacher trainees. Course participants are empowered to enhance the literacy development of children through literature. Topics covered include: (1) major theories of language acquisition; (2) definition, typology, values and educational functions of children literature; (3) relationships between language and literature for children; (4) application of children literature in language teaching.

Pre-requisite: None

PPEB324 INCLUSIVE EDUCATION

This course aims at introducing students to the development, rationale and principles of inclusive education as a foundation of the field, and to the policy, general situation and resources with regard to inclusive education in Macao. The course provides guidelines on various elements of inclusive lessons and classes. The content includes child learning and

classroom settings, programme and lesson planning, and assessment and classroom management of children with special needs or behavior problems. In addition, to guard students from work-stress as future inclusive teachers, the course will help them develop observation and analysis skills to note differences among young children and to understand children with disabilities in the inclusive classroom. It will also provide students with opportunities to learn how to enrich learning environment with educational resources for special needs and how to work effectively with professional groups and parents.

Pre-requisite: PPEB121

PPEB350 EDUCATIONAL EVALUATION

This course seeks to introduce basic assessment notions and methodologies to students so that they can make use of the assessment feedback and interpretation professionally to improve teaching and learning, to monitor children's all-round development and report their progress up to the age of late childhood (0-8 years). Guided by contemporary theories of learning and human development, course participants are empowered to design and administer assessment tools that tie in well with the course objectives and classroom processes of the early childhood education curriculum. At the end of the course, teachers should be conversant with the "know-what", "know-how", and "know-why" of formative curriculum-embedded assessment, and feel competent to apply the knowledge and skills acquired in authentic home and schooling contexts.

Pre-requisite: PPEB110

PPEB351 TEACHING DRAMA TO YOUNG CHILDREN

Drama helps preschoolers to learn through expressing themselves through movement, music, arts and language, and it is a good way to enhance creative learning. This course will guide and encourage students to help and lead children in exploring and improvising non-structured dramas. It will teach them how to choose books and themes, develop imagination and social skills of children, inspire their creative expressions, and organize and structure activities for their learning in the practical teaching environment.

Pre-requisite: None

PPEB352 EDUCATION PLANNING AND CREATION OF LEARNING ENVIRONMENT

This course aims to help students understand that a planned and diversified learning environment can allow children to choose their preferred environment according to curriculum, interests and abilities. Through specific and creative experiments, this course helps students understand how children learn and behave in different kinds of environments. From the planning of learning areas, placement and execution, students will be able to arrange appropriate learning environments for children, to have good interactions with them and to arouse their interest in learning. The content will also cover suggestions for different teaching activities and the link between curriculum planning and the design of learning environment.

Pre-requisite: None

PPEB354 INTEGRATED LEARNING

This course will focus on the integrated learning approach to curriculum design and development for pre-schools and explore the meanings, functions, teaching processes, designs, practices and evaluations related to the integration education. Rather than stressing basic concepts and theoretical foundation, this course will emphasise the application of theories in practice, with the aim to train students to become effective teachers who can apply principles of integrated learning to lesson planning.

Pre-requisite: Either three from PPEB211, PPEB221, MUSC115, VART115. PPEB224 and PPEB314

PPEB355 DIGITAL RESOURCES APPLICATION IN KINDERGARTEN

In order to help teacher trainees in building digital portfolios and teaching resources, this course deals with the basic principles and practice of designing and developing multimedia and

web-based resources based on the latest development in information technology.

Pre-requisite: None

PPEB410 GUIDANCE AND COUNSELLING IN EARLY CHILDHOOD

This course aims at equipping students of early childhood education with the knowledge of guidance and counselling so that they are able to take up the role of teacher-counsellors. This course will introduce classical and contemporary theories in guidance and counselling and include five components to facilitate the united growth of young children: basic concepts of guidance and counselling, personal growth, personal and social education, problem behaviours in early childhood, and counselling techniques. Various approaches of working with families in guiding children's behaviours are also covered.

Pre-requisite: PPEB310

PPEB411 ENGLISH CHILDREN'S LITERATURE

This course aims at equipping students with the knowledge of English children's literature so that they can enrich and enhance the teaching and learning of English in pre-primary ESL/EFL (English as a second or foreign language) classrooms. The course explores the pedagogical, linguistic and cultural values of English children's literature, emphasizing the application of various literary works, including fables, rhymes, poems and fairy tales, in pre-primary ESL/EFL classrooms. The evaluation and the selection of literary works are also discussed.

Pre-requisite: None

PPRB450 EARLY CHILDHOOD EDUCATION RESEARCH

This course is designed to familiarise students with the role and procedure of research in early childhood education. Major skills and techniques useful in educational inquiry and research will also be covered. Topics included, but not limited to, are as follows: basic principles and procedures in early childhood education research (Qualitative and Quantitative); the nature of social and educational research; ethical issues in educational research; formulation of research problem(s); procedure in conducting research, research designs and methods; methods of data collection, sampling designs, survey research, questionnaire design, in-depth interview, documentation, and report writing. Furthermore, the basic concepts of narrative inquiries and statistical skills in data analysis will also be included.

Pre-requisite: None

PPEB451 SPECIAL EDUCATION

This course helps students to understand more about children with special needs. It introduces the definitions, causes, characteristic and categories of the disabilities in early childhood. The content will also cover instructional theories, principles and tactics, assistance methods, IEP and programme planning, assessment for children with special needs, and positive attitude. Through this course, students will be able to help these children more effectively with early intervention or special education programmes to assist their potential developments. In addition, students will be taught how to make use of the pre-school and school-age special education measures and services in Macao in order to help those children and their families, and they will understand the effects and importance of parents' and professional teams' participation in the education of children who have special needs.

Pre-requisite: PPEB110 and PPEB310

PPEB453 TEACHERS' ETHICS AND PROFESSIONAL DEVELOPMENT

The aim of this course is to help students to develop the ethics and morality of the teaching profession. It will prepare them to provide their students with 'whole-person' education by integrating teachers' instruction, their model and their environment. The experience and the development of teacher's professional morality are fully represented in the different relationships in their work, including facing themselves, their colleagues, students, students' parents and society. The content of this course includes different principles of teachers' professional ethics and applications of these theories in teaching.

Pre-requisite: None

PYEB110 INTRODUCTION TO EDUCATION

The objective of this course is to enable participants to understand the general concepts and theories of Education, the relationship between theories and practices, to let them think about the involvement in practical environment (Primary School etc.), to analysis the concepts on philosophies and sciences in Education and to distinguish the current teaching method in primary education, in which, to deepen the student's thought on ideas of Education. The topics as below: the development of education, the goals and contents of Education, the process, the principles and method of teaching, the development of Curriculum, the relationship between students and teachers, the relationship between primary schools, parents and social education, the work of class teachers and extra-curriculum activities.

Pre-requisite: None

PYEB111 中國語文基礎 FOUNDATION OF CHINESE

本科旨在深化學員的中國語文知識為主。教學內容以小學課程教學的需要為導向，即字、詞、句的講解，以及語法和修辭的分析。內容除語文基礎知識外，並培養學生的語文思維能力，藉以提高學員的語文表達能力。

先修科目: 沒有

PYEB120 PHILOSOPHY OF EDUCATION

The course introduces the uses of philosophizing in educational inquiry. It aims to enhance the student's reasoning skills and to deepen their thoughts in educational ideas and ideals. Topics include: analysis of educational concepts, critique of educational philosophies, examination of classical educational doctrines, evaluation of modern educational problems, and reflection of one's educational beliefs and aspirations.

Pre-requisite: None

PYEB121 THEORIES OF CURRICULUM & INSTRUCTION

The theoretical framework of the course exhibits as a matrix: micro and macro, theory and practice. The basic concepts, theories and models in curriculum design and development will be introduced. Students will have the opportunity to understand the trend of curriculum development, and to either design a micro curriculum or critique an existing curriculum design.

Pre-requisite: PYEB110

PYEB150 PHYSICAL EDUCATION I

The Teaching of physical activities contains five main areas: track and field, gymnastics, ball games, dancing and swimming. However, the requirements in playing these adult sports are too difficult for young children because of its competing nature. In fact, such aspects are not suitable for the junior primary students. As such, physical education should systematically develop, modify and consolidated the techniques and tactics components through the learning of fundamental exercises. The main features of this course, is to help students to understand the developments of human movements, and application of those concepts to games and activities design. This course includes the teaching of object and body manipulative skills and rhythmic studies.

Pre-requisite: None

PYEB153 APPRECIATION AND TEACHING OF CHILDREN LITERATURE

The purpose of this course is to discuss various forms of children literature such as fairy tales, stories and fables, and the connections between children literature and literature education. Students will learn how to write different forms of children literature and improve their writing skills. At the same time, student teachers will learn how to evaluate the qualities of literatures and become prepared to teach children literary appreciation or engage in creating children literature.

Pre-requisite: None

PYEB154 THINKING AND LEARNING WITH IT

This course aims to help teacher trainees to create a classroom community in which learning dialogues take place through computers or other associated resources. To achieve this goal, teacher trainees are first expected to review critically the role of computers in enhancing thinking skills and facilitating students' learning. Evidence from a decade of research is drawn to show how children are engaged in talking and thinking together with computers.

Pre-requisite: None

PYEB155 傳統文化與教學 TEACHING OF TRADITIONAL CHINESE CULTURE

中國是一個幅員遼闊、歷史悠久、文化發達的國家。傳統文化內容豐富，並充分融合於思想、風俗、生活習慣、思維模式各個領域之中。本課程旨在協助學員透徹了解中華傳統文化的特質與內容，目的在提升在語文課堂中涉及與傳統文化相關的眾多方面的知識時，學員能達致高水平的教學效果。

先修科目：沒有

PYEB156 國情教育的教與學 TEACHING AND LEARNING NATIONAL EDUCATION

本課程分兩部分，理論與實踐並重。一方面重點介紹現代中國歷史及社會概況，包括新中國成立經過，現今政治、社會、經濟情形，澳門特區基本法等；另方面通過一些課程設計的例子，說明如何把有關材料運用在社會科教育上。

先修科目：沒有

PYEB157 WAYS OF SEEING: DRAWING AS INQUIRY

Through diverse drawing workshops both in-doors and out-doors, this course introduces students to the various modes and approaches of drawing, from the traditional techniques to some experimental practices. While getting acquainted with different material approaches in drawing, the students will also explore drawing as ways of seeing, building conceptual thinking and visual mapping.

Pre-requisite: None

PYEB158 QUALITY PHYSICAL EDUCATION

Quality Physical Education (QPE) refers to the effective use of various components to achieve the educational prospects, health conditions and active lifestyle of pupils. The course aims at helping students to understand the nature of QPE, importance of current issues and strategies to enhance the introduction of QPE in school. Student will also have chances to study the theoretical background and develop analytical understanding on related issues such as gender and choice of physical activities, opportunities of learning and behavioral pattern in sport activities. Demonstrations and experimental works in teaching are used as main methods in learning and assisted by cases studies to prepare students with abilities for quality teaching in physical education.

Pre-requisite: None

PYEB210 SOCIOLOGY OF EDUCATION

The course aims to introduce participant's basic sociological concepts, theories, research methods and themes in the field of Sociology of Education. Through different settings such as reading, study group, discussion and investigation, participants are able to analyze educational phenomenon in a critical manner and to bring improvements in the concerned areas.

Pre-requisite: PYEB110

PYEB211 SUBJECT-BASED TEACHING METHODS (PRIMARY MATHEMATICS) I

This course focuses on empowering course participants to write teachable lesson plans and programmes of study pertaining to two key domains of primary mathematics curriculum: (1) numbers and algebra; and (2) statistics and probabilities. Due attention is paid on professional treatment of a number of issues that have a bearing on successful meaningful student learning: (1) educational objectives in accordance with key stages of secondary education; (2) mathematical literacy, competencies, and thinking underpinning various pedagogic and

instructional models; (3) history of development of mathematics in different cultures; (4) psychology of mathematics learning, particularly for Chinese learners and different genders; (5) use of calculators and ICT tools for mathematics education; and (6) good balance of assessment of learning and assessment for learning.

Pre-requisite: PYEB110

PYEB212 THEORIES AND PRINCIPLES FOR TEACHING PRIMARY MATHEMATICS

This course seeks to elucidate the evolution of mathematics education in the 20th century and for the 21st century. Past influential reforms in mathematics education affecting mathematics curriculum and instruction are highlighted. Course participants are expected to be conversant with the basic theories and principles of mathematics education and to understand the salient characteristics of Chinese learners. They will be familiarized with the course rationale, course objectives, content standards, as well as teaching and evaluation recommendations in accordance with contemporary mathematics curriculum standards. Mathematics textbooks and resources commonly used in Macao primary classrooms are also exemplified.

Pre-requisite: PYEB110

PYEB220 CHILD DEVELOPMENT

In individual's interpersonal relationship, thinking and learning abilities, as well as conceptions of the world of children in middle childhood (primary school children) are in many ways different from those in their early childhood. This course aims at enhancing in- and pre-service primary school teachers' understanding of this age group, in particular, their psychological changes. The contents will cover objective analyses of the different aspects illustrated with the research directions of this life period.

Pre-requisite: None

PYEB221 SUBJECT-BASED TEACHING METHODS (PRIMARY MATHEMATICS) II

This course focuses on empowering course participants to write teachable lesson plans and programmes of study pertaining to two key domains of primary mathematics curriculum: (1) basic two-dimensional and three-dimensional geometry; and (2) special topics of mathematical investigations. Due attention is paid on professional treatment of a number of issues that have a bearing on successful meaningful student learning: (1) educational objectives in accordance with key stages of primary education; (2) mathematical literacy, competencies, and thinking underpinning various pedagogic and instructional models; (3) history of development of mathematics in different cultures; (4) psychology of mathematics learning, particularly for Chinese learners and different genders; (5) use of calculators and ICT tools for mathematics education; and (6) good balance of assessment of learning and assessment for learning.

Pre-requisite: PYEB211

PYEB250 PHYSICAL EDUCATION II

This programme emphasizes the learning of how to teach athletic and ball games to primary school students. The developmental sequence of athletic activities and selected ball skills will be introduced. Relevant background knowledge, functional concepts, rules and regulations and safety measures are also covered to assist the teaching and learning of different sport activities. The programme includes the learning of selected sport activities in athletics, basketball, volleyball and badminton and table tennis.

Pre-requisite: None

PYEB253 小學中文教學

TEACHING METHOD OF CHINESE IN PRIMARY EDUCATION

中文教學是集教育學、心理學、文章學、語言學、美學等相關學科研究成果於一體的綜合性極強的應用型課程。課程包括中文教學論、中文教材教法研究、中文課堂教學技能等多方面的內容。另課程內容尚包括介紹中文教學改革資訊，期間學員能不斷更新中文教學觀念，瞭解如何依據教學目標，選擇適當的教學法，教導小學語文學科知識與學習策略。本課程以微格教學的方法，讓學員學習鑽研教材，處理教材的方法和技能，掌握小學語文教學的常規，切實提高語文教學能力。

先修科目: PYEB110

PYEB254 TEACHING OF ENGLISH I

The course prepares students to teach English to primary students who learn English as a second or foreign language. Students will develop their understanding of important issues related to the teaching of English as a second/foreign language as well as develop their practical abilities in planning, delivering and evaluating English language instruction. Major topics include Classroom Language, Classroom Management, Lesson Planning and Teaching Vocabulary.

Pre-requisite: None

PYEB255 INTEGRATED ACTIVITY TEACHING AND DESIGN FOR PRIMARY EDUCATION

The course aims to introduce participants the rationale of Integrated Activity Teaching and Design for Primary Education. At the end of the course, participants are able to plan and design integrated curriculum and activity according to the ability, interest and necessity of primary students. As there are differences in adapting the integrated concept in Chinese and English teaching and if there is an available of suitable colleagues, students will be divided in groups of Chinese and English in programme learning.

Pre-requisite: None

PYEB256 ELEMENTARY MATHEMATICS TEACHING & RESEARCH

All over the world, students encounter persistent difficulties (both cognitive and affective) in their learning of some elementary mathematic topics (e.g. fractions, negative numbers, solving word problems, mathematical proofs). Course participants will be studying empirical research reports of relevant teaching experiments that aim to help students overcome these learning difficulties. Under the instructor's guidance, course participants are expected to devise or revise lesson plans in light of research findings and to engage in reflective action research so as to relate theory with practice.

Pre-requisite: PYEB110

PYEB257 LINGUISTICS AND TEACHING ENGLISH AS A SECOND LANGUAGE

This course introduces to student ESL (English as a Second Language) teachers a scientific study of the English language. It aims at equipping them with a better understanding of the semantic, syntactic morphological and phonological aspects of English before they teach it to Chinese ESL learners. The course focuses on the application of linguistic knowledge, including phonology, semantics, lexicology, morphology and syntax, in teaching English as a second language. In addition, references and comparisons will be drawn with Cantonese and Putonghua, which will enable them to explore, understand and hence solve Chinese learners' difficulties in learning English as a second/foreign language. With a view to enhancing the teaching and learning in ESL classrooms, student teachers learn to develop teaching techniques and materials that meet students' needs and interests.

Pre-requisite: None

PYEB 311 INTEGRATING IT INTO PRIMARY TEACHING AND LEARNING

In a knowledge society, teachers need an understanding of how to exploit fully the potential of information technology (IT) in supporting and enhancing their teaching across the curriculum. This course aims to prepare primary teacher trainees to use IT appropriately and effectively to support students' learning in the core subjects. It covers all issues related to planning, assessing and recording with IT throughout the primary education.

Pre-requisite: None

PYEB320 TEACHING OF SOCIAL STUDIES IN PRIMARY SCHOOLS

This course aims to equip student teachers with the knowledge of Macao society and skills of teaching so that they will become competent teachers. It includes the objectives of subject

curriculum, content design, teaching procedures, teaching activities and assessment. Arrangements will focus on learning innovations, with emphasis on process and methods, encouraging independent thinking and cooperative learning and inquiry learning. Learning activities include visits, group discussions, interviews and investigations so that student teacher will develop the ability to design and arrange various extracurricular activities and optimize teaching and learning environment.

Pre-requisite: PYEB110

PYEB350 小學中文科課程與教材

CHINESE CURRICULUM AND COURSE MATERIALS IN PRIMARY EDUCATION

本課程以促進學員對小學語文科的課程內容、傳統語文教學、本澳及鄰近地區的語文課程發展暨未來改革有全面瞭解，並就小學語文課程所涉及的教材與教學資料的編輯與選擇加以全面掌握，以提升學員對小學語文課程之認識及專業修養，並進一步提高其教學水平。

先修科目: PYEB110

PYEB351 TEACHING OF ENGLISH II

The course aims to enhance students' knowledge of teaching English to primary ESL/EFL students. It consists of lectures, workshops and microteaching, which help students master the basic techniques in the teaching of the four language skills---listening, speaking, reading and writing. It also includes topics such as Teaching Grammar, Teaching Pronunciation and Language Testing.

Pre-requisite: PYEB254

PYEB352 GUIDED CHINESE READING AND WRITING

This course is designed to equip pre-service student teachers with the knowledge and skills of Chinese teaching. The contents include an overview of the development of reading and writing instruction theories, a variety of teaching strategies, and also the appreciation and creation of different texts. In addition, integrated reading and writing activities will also be arranged to facilitate teaching and learning. The main teaching strategies applied in this course are instruction, modeling, cooperative learning, investigative learning and problem based learning.

Pre-requisite: None

PYEB353 TEACHING OF ENGLISH III

This course is designed to familiarize trainee teachers with some salient principles for the teaching of the four English language skills listening, speaking, reading and writing in the primary classes. The English language curricular in school will be examined. Ways for selecting appropriate teaching materials and exercises will be focused. Tutorial activities include hands-on practice in planning integrated language skill units at a macro level and in planning lessons at a micro level. Lectures, class activities such as group discussion and case studies, as well as project work will be employed to achieve the aims of the course.

Pre-requisite: PYEB351

PYEB354 TEACHING OF PE

The course aims at helping students to understand the important role of physical education in the process of education, and help them to teach physical education skillfully, competently and confidently at primary level. The contents of the course include the understanding of foundation and principles of physical education, curriculum planning and evaluation; Safety issue, development of health-related fitness and various teaching methods in physical education.

Pre-requisite: None

PYEB355 TEACHING OF MUSIC

The course aims at the development of students' knowledge in teaching music in primary school. It includes the widening of students' musical knowledge and their skills in music teaching. The course will help students to understand the basic theory and pieces analyses, music arranging

and creating, teaching plan and lessons designing. Making use of the information technology, the learning of music and subjects can be combined together; and raising the students' interests, learning and teaching skills, in order to cultivate teachers' and children's art potential and talents. As a result, the quality of their spiritual and practical life will be raised.

Pre-requisite: None

PYEB356 TEACHING OF VISUAL ARTS

The course introduces the issues, concepts, philosophy and content of visual arts teaching to assist students in developing confidence, knowledge, and skills in the theory and practice of teaching visual arts. The emphasis of the course is on visual arts curriculum and lesson planning, motivational strategies, art classroom management, and alternative assessment in visual arts.

Students will participate in extensive field experiences exploring methods and materials appropriate to the teaching of visual arts in a primary school setting.

The course content includes topics on "principles of visual arts teaching," "methods of visual arts teaching," "visual arts teaching: planning and design," "visual arts teaching: classroom organization and management," "evaluation of visual arts teaching," etc.

Pre-requisite: None

PYEB357 SPECIAL EDUCATION

This course is designed to provide an introduction to the characteristics of children with special needs or disabilities. Emphasis will be put on several types of children with special needs—learning disabilities, emotional and behavioural disorders, attention deficit and hyperactivity, and mild mental disability. This course also provides some practical guidelines and practices on how to teach in integrated/inclusive classrooms.

Pre-requisite: PYEB110 and PYEB310

PYEB358 CLASSROOM MANAGEMENT

This course aims to introduce classroom communication and classroom management, so that primary teachers are able to effectively manage their classrooms and to facilitate their teaching and student's learning. Topics in classroom management are developing the relationship among teachers, students and parents, understanding the learning needs of students, increasing students' learning motivation, setting rules, discipline management, problem behaviors management, and helping individual student self-manage.

Pre-requisite: PYEB110 and PYEB310

PYEB359 EDUCATION RESEARCH

This course is designed to familiarize students with the role and procedure of research in education. Major skills and techniques useful in education inquiry and research will also be covered. Topics included, but not limited to, are as follows: basic principles & procedures in education research; the nature of social and education research; ethical issues in educational research; formulation of research problem(s); procedure in conducting research, research designs & methods; methods of data collection, sampling designs, survey research, questionnaire design, in-depth interview, documentation, and report writing. Further, basic concepts and statistical skills in data analysis will also be included such as type of data, one-way frequency, cross-tabulation, mean, median, standard deviation, etc.

Pre-requisite: PYEB110

PYEB360 RESEARCH IN MATHEMATICS EDUCATION

Mathematics educators world-wide formulate research questions to solve perplexing problems and address salient issues in mathematics education to meet the needs of the students. For instance, lesson studies are conducted to help build up a learning organization and professional learning communities in schools. Course participants will be studying empirical research reports that address some of these contemporary issues. Under the guidance of their instructor, they are expected to write a review of an issue in mathematics education with implications for teaching and learning in everyday mathematics classrooms.

Pre-requisite: PYEB256

PYEB362 ADVANCED PIANO ACCOMPANIMENT FOR GENERAL MUSIC CLASSROOM

The course aims at further training and enhancing students' piano accompaniment skills in teaching elementary students in the music classroom. Topics will include helping students integrate musical elements articulately into the practical skills of piano accompaniment for the music class. Moreover, discussion and interpretation of sensitivity of piano practice to various forms of children music, such as nursery rhymes, marching, and general children music will also be included in the class. The course will require students to learn several pieces of children music and practically perform these pieces for their classmates and teachers.

Pre-requisite: PYEB151 and PYEB251

PYEB410 SCHOOL COUNSELLING AND GUIDANCE

This course aims to equip primary teachers with the knowledge of guidance and counseling, so that they are able to take up the roles as teacher-counselors. Five components are included to facilitate the united growth of students: basic concepts of guidance and counseling, personal growth, personal and social education, problem behavior in middle childhood, counseling theories and counseling techniques.

Pre-requisite: None

PYEB411 TEACHING OF SCIENCE AND TECHNOLOGY

This course aims to train participants' skills and abilities in teaching science and technology in primary schools so as to make professional preparations for teaching primary science (natural studies). This course will help participants know the features and tendencies of contemporary primary science education, learn the concepts, theories, and methods of science and technology teaching, and recognize current situations and existing problems in primary science (natural studies) teaching in Macao. The content of this course includes the nature of science and technology, the curriculum of primary science, processes and methods of scientific inquiry, processes and methods of technological design, and teaching design and assessment of science and technology in primary science. Lectures and demonstration, group discussion, hands-on activities, technological design, and microteaching will be adopted as teaching methods in this course.

Pre-requisite: None

PYEB450 詩文選讀與教學

GUIDED READING AND TEACHING OF CHINESE PROSE AND POETRY

本課程簡介詩詞、散文的特點、發展，選讀不同時代的一些重要詩文作品，以提高學生對中國文學作品的欣賞、理解、分析能力，並加強對中國文化的認同感，並教授學生如何蒐集相關的詩文材料，編寫教材，選用適當的教學法，以便將來能在教學實踐中靈活正確運用。

先修科目: 沒有

PYEB451 CLASSROOM INSTRUCTION IN ENGLISH

The course offers intensive work and instruction in developing oral skills for the primary teacher trainees. The objectives aim at helping them develop an awareness of various features of accurate pronunciation and good voice quality of English and improving the articulation of English including rhythm, stress, and intonation as well as nonverbal skills such as gestures and vocal tones. Coursework includes tasks such as instructing, explaining, questioning and responding in the primary classroom.

Pre-requisite: None

PYEB453 PHYSICAL EDUCATION III

The course aims to help students to understand the functions of human body through the study of sport psychology, kinesiology and biomechanics. The course will focus on the relationship between complex human movement structure and sports training. The students are expected to create training method in sports and physical education. Simple experiments will be conducted.

It helps students to understand the importance of every human body movement to the developments of physical education and sports.

Pre-requisite: PYEB250

VART115 VISUAL ART I: EXPLORATION AND DISCOVERY

Visual art as a major component of visual culture has the characteristics of inter-/cross disciplinary study which is one of the dominant trends in academic research. The course is designed to equip students with basic art skills as well as teach them ways of seeing and help develop their faculties of imagination and creativity so as to make them capable of discovering art's existence in life, aiming to provide students with a foundation for art learning. The course will not only lead students to understand different kinds of painting techniques, but also teach and let them use different materials, media and tools to experience art creation in their exploration of its "expressivity".

Pre-requisite: None

VART210 CHINESE CULTURE AND FINE ARTS 中國文化與藝術

Art is one of the most articulate forms of Chinese culture. Chinese art since the ancient times has, with its unique cultural richness, long become a product of people's life and spirit. As artworks can be seen (e.g., sculpture, painting), touched (e.g. pottery, jade-ware) and even lived in (e.g., architecture), they are apt to provide us with the possibilities of experiencing life aesthetically and even "meta-sensually." Hence, understanding Chinese art is essential for deeper and more dynamic reading, appreciation and interpretation of Chinese culture. The course will introduce to students some basic concepts of Chinese art and methods of Chinese art appreciation and help develop students' ability in art appreciation by analysing the historical, social and cultural meanings of artworks from different periods.

Pre-requisite: None

VART211 VISUAL ART II: THEORY AND PRACTICE

Visual art as an articulate form of visual culture is capable of displaying the dynamic cultural relationships between/among different academic disciplines and life domains. Its products are not merely "decorations" to please the eyes; they respond to life's profound problems through expression of their creators' cultural, historical, and life concerns. The course aims not only to familiarize students with the languages of traditional and contemporary Chinese and Western visual arts, but also to help them explore the relationship between visual art and life through art practice, leading them to understand the beauty, style and culture of art through experimenting with different media and techniques.

Pre-requisite: VART115

VART212 UNDERSTANDING VISUAL CULTURE

The course provides an introduction to visual culture. It is designed to equip students with the basic knowledge for understanding visual culture in the context of Chinese and Western art. Its content includes topics on concepts of perception, visual aesthetics, visual languages and theories, etc. Having acquired basic understanding of how art connects to the world, students are led to appropriate the knowledge to the appreciation and contextualization of the vibrant and diverse visual culture of today.

Pre-requisite: VART115 and VART211

VART310 TEACHING OF VISUAL ART

The course provides students with an opportunity to understand visual art education in both local and global contexts. While studying curriculum design and the diverse modes of teaching in visual art (interactive, integrative and interdisciplinary), students will also be led to examine the role of visual art in education and given an opportunity to design a curriculum in visual art education.

Pre-requisite: VART115

PROGRAMMES OF STUDY

Faculty of Health Sciences**PhD Programme**AREA OF STUDY**Biomedical Sciences**

Courses		Credits
MBBM801	Methodologies in Molecular Biology and Biomedicine	3
MBBM802	FHS Graduate Core Course	3
MBBM803	Research Ethics	0

Required Elective Courses *		Credits
MBBM811	Current Topics in Cancer Biology and Therapy	3
MBBM812	Current Topics in Immunology and Infectious Diseases	3
MBBM813	Current Topics in Neuroscience and Neurodegenerative Diseases	3
MBBM814	Current Topics in Molecular Medicine	3
MBBM815	Current Topics in Reproduction, Development and Aging	3
MBBM821	Current Topics in Metabolism and Metabolic Diseases	3
MBBM822	Current Topics in Cell and Molecular Biology	3
MBBM823	Current Topics in Stem Cell Biology and Regenerative Medicine	3
MBBM824	Current Topics in Bioinformatics	3
MBBM831	Current Topics in Biomedical Imaging	3
MBBM832	Current Topics in Biomedical Instrumentation Design	3
MBBM833	Current Topics in Drug Discovery Technologies	3
MBBM834	Current Topics in Epigenetics	3
MBBM835	Current Topics in Genetics, Genomics and Functional Genomics	3
MBBM836	Current Topics in Mental Health and Clinical Study Design	3
MBBM837	Current Topics in Proteomics	3
MBBM838	Current Topics in Nanoprobes for Bioimaging	3

Doctoral Thesis		Credits
MBBM899	Doctoral Thesis	18

Total Credits for Students with Master's Degree	27
Total Credits for Students without Master's Degree	30

* Students with Master's Degree are required to take at least one Required Elective Course; and students without Master's Degree are required to take at least two Required Elective Courses.

Bachelor's Degree Programme**Bachelor of Science in Biomedical Sciences**

Year I	Credits
<i>Compulsory Major Courses:</i>	
BIOM110 General Chemistry	3
BIOM111 General Chemistry Laboratory	2
BIOM120 General and Clinical Biochemistry	3
BIOM121 Biochemistry Laboratory	1.5
<i>General Education Course(s):</i>	
BIOM112 Introduction to Biological Sciences *	3
SAGE100 Freshmen Experiential Learning	0
General Education Courses **	19
<i>Free Elective Course(s):</i>	
1 Free Elective Course ***	3
Total Credits:	34.5

Year II	Credits
<i>Compulsory Major Courses:</i>	
BIOM210 Cell and Molecular Biology	3
BIOM211 Cell and Molecular Biology Laboratory	1.5
BIOM212 General and Clinical Microbiology	3
BIOM213 Microbiology Laboratory	1.5
BIOM220 Genetics and Epigenetics	3
BIOM221 Development and Aging	3
BIOM222 Physiology and Pathophysiology	3
<i>General Education Course(s):</i>	
General Education Courses **	11
<i>Distribution/Diversity Elective Course(s):</i>	
1 Distribution/Diversity Elective Course ****	3
<i>Free Elective Course(s):</i>	
1 Free Elective Course ***	3
Total Credits:	35

Year III	Credits
Compulsory Major Courses:	
BIOM310 Neuroscience and Neurodegenerative Diseases	3
BIOM311 Endocrinology and Metabolic Diseases	3
BIOM312 Immunology and Infectious Diseases	3
BIOM320 Biostatistics and Experimental Design	3
BIOM321 Genomics and Bioinformatics	3
BIOM322 Genetics, Genomics and Bioinformatics Laboratory	1.5
General Education Course(s):	
General Education Courses **	3
Distribution/Diversity Elective Course(s):	
3 Distribution/Diversity Elective Courses ****	9
Free Elective Course(s):	
2 Free Elective Course ***	6
Total Credits:	34.5

Year IV	Credits
<u>Biomedical Stream</u>	
Compulsory Major Courses:	
BIOM410 Final Year Project I	3
BIOM411 Cancer Biology and Therapy	3
BIOM412 Stem Cell Biology and Regenerative Medicine	3
BIOM420 Final Year Project II	3
BIOM421 Public Health	3
BIOM422 Translational Medicine	3
1 Required Elective Course selected from the following:	3
BIOM413 Pharmacology and Chemical Biology	
BIOM414 Drug Discovery and Development	
1 Required Elective Course selected from the following:	3
BIOM423 Introduction to Pharmacy and Pharmaceutical Analysis	
BIOM424 Drug Toxicology	
<u>Pharmaceutical Stream</u>	
Compulsory Major Course(s)	
BIOM410 Final Year Project I	3
BIOM413 Pharmacology and Chemical Biology	3
BIOM414 Drug Discovery and Development	3
BIOM420 Final Year Project II	3

BIOM423	Introduction to Pharmacy and Pharmaceutical Analysis	3
BIOM424	Drug Toxicology	3
1 Required Elective Course selected from the following:		3
BIOM411	Cancer Biology and Therapy	
BIOM412	Stem Cell Biology and Regenerative Medicine	
1 Required Elective Course selected from the following:		3
BIOM421	Public Health	
BIOM422	Translational Medicine	
Free Elective Course(s):		
2 Free Elective Courses ***		6
Total Credits:		30
Grand Total of Credits:		134

- * Students must take the course "BIOM112 Introduction to Biological Science" to substitute one General Education course selected from "Science and Information Technology - Life Science, Health and the Human Condition" as follows:
 FEDC211 Wonders in Life Science and Health: Personal Health & Sustainability
 FHSG212 Wonders in Life Science and Health: Biomedical Science
 FSTG213 Wonders in Life Science and Health: Environmental Biology
 PSYC211 Wonders in Life Science and Health: Health Psychology
- ** For GE course of English Language, students are required to take ONE pair of the English courses. Students are required to first take and pass a lower level English course if they are not eligible to take the intermediate English course. In addition, students will be assigned to different levels/natures of courses depending on their prior achievements or assessment results in the respective area before enrolment.
- *** Students of Biomedical Sciences Programme cannot take "FHSG212 Wonders in Life and Health: Biomedical Science" as free elective course.
- **** The courses should be chosen from different disciplines outside the student's own major programme, i.e. courses offered by other academic units (non-FHS).

Course Description

Ph.D. PROGRAMME

MBBM801 METHODOLOGIES IN MOLECULAR BIOLOGY AND BIOMEDICINE

This course introduces cutting-the-edge technologies in biological and biomedical sciences, especially those available at Faculty core facilities, such as bioinformatics tools, imaging technologies, etc. The course consists of two parts. The first part is provided by instructor(s) in the form of lectures on theories and principles of selected technologies, and the second part is offered in the form of workshops and hands-on trainings at different core facilities.

Prerequisite: None

MBBM802 FHS GRADUATE CORE COURSE

This course provides intensive training on basic generic skills of scientific communication, including information search, scientific writing (research proposal), and oral presentation. The course consists of two parts. The first part is provided by instructor(s) in the form of lectures and workshops, and the second part is student-oriented. Each student will write a formal research proposal on the topic of his/her interest (most likely the ongoing research of the student) and provide an oral presentation for defense in the class.

Prerequisite: None

MBBM803 RESEARCH ETHICS

This course provides students with an understanding of the need for research ethics and the responsibility of the researcher (the student); the most common types of academic dishonesty (such as fabrication and plagiarism); how to avoid committing acts of academic dishonesty (such as through using citations and references); and how the University deals with students who have been proven to have committed acts of academic dishonesty (The University's 'Rules on Handling Student Academic Dishonesty' will be outlined).

Pre-requisite: None

MBBM811 CURRENT TOPICS IN CANCER BIOLOGY AND THERAPY

This course aims to introduce the most recent and advanced developments in the field of cancer biology and therapy. Multiple teachers may offer the course simultaneously. Students can choose the teacher, whereas teachers may set quota for the group/class. The course is offered flexibly in terms of availability, content, format, time, venue, and assessment.

Prerequisite: None

MBBM812 CURRENT TOPICS IN IMMUNOLOGY AND INFECTIOUS DISEASES

This course aims to introduce the most recent and advanced developments in the field of immunology and infectious diseases. Multiple teachers may offer the course simultaneously. Students can choose the teacher, whereas teachers may set quota for the group/class. The course is offered flexibly in terms of availability, content, format, time, venue, and assessment.

Prerequisite: None

MBBM813 CURRENT TOPICS IN NEUROSCIENCE AND NEURODEGENERATIVE DISEASES

This course aims to introduce the most recent and advanced developments in the field of neuroscience and neurodegenerative diseases. Multiple teachers may offer the course simultaneously. Students can choose the teacher, whereas teachers may set quota for the group/class. The course is offered flexibly in terms of availability, content, format, time, venue, and assessment.

Prerequisite: None

MBBM814 CURRENT TOPICS IN MOLECULAR MEDICINE

This course aims to introduce the most recent and advanced developments in the field of molecular medicine. Multiple teachers may offer the course simultaneously. Students can choose the teacher, whereas teachers may set quota for the group/class. The course is offered flexibly in terms of availability, content, format, time, venue, and assessment.

Prerequisite: None

MBBM815 CURRENT TOPICS IN REPRODUCTION, DEVELOPMENT AND AGING

This course aims to introduce the most recent and advanced developments in the field of reproduction, development and aging. Multiple teachers may offer the course simultaneously. Students can choose the teacher, whereas teachers may set quota for the group/class. The course is offered flexibly in terms of availability, content, format, time, venue, and assessment.

Prerequisite: None

MBBM821 CURRENT TOPICS IN METABOLISM AND METABOLIC DISEASES

This course aims to introduce the most recent and advanced developments in the field of metabolism and metabolic diseases. Multiple teachers may offer the course simultaneously. Students can choose the teacher, whereas teachers may set quota for the group/class. The course is offered flexibly in terms of availability, content, format, time, venue, and assessment.

Prerequisite: None

MBBM822 CURRENT TOPICS IN CELL AND MOLECULAR BIOLOGY

This course aims to introduce the most recent and advanced developments in the field of cell and molecular biology. Multiple teachers may offer the course simultaneously. Students can choose the teacher, whereas teachers may set quota for the group/class. The course is offered flexibly in terms of availability, content, format, time, venue, and assessment.

Prerequisite: None

MBBM823 CURRENT TOPICS IN STEM CELL BIOLOGY AND REGENERATIVE MEDICINE

This course aims to introduce the most recent and advanced developments in the field of stem cell biology and regenerative medicine. Multiple teachers may offer the course simultaneously. Students can choose the teacher, whereas teachers may set quota for the group/class. The course is offered flexibly in terms of availability, content, format, time, venue, and assessment.

Prerequisite: None

MBBM824 CURRENT TOPICS IN BIOINFORMATICS

This course aims to introduce the most recent and advanced developments in the field of bioinformatics. Multiple teachers may offer the course simultaneously. Students can choose the teacher, whereas teachers may set quota for the group/class. The course is offered flexibly in terms of availability, content, format, time, venue, and assessment.

Prerequisite: None

MBBM831 CURRENT TOPICS IN BIOMEDICAL IMAGING

This course introduces radiation, dosimetry, x-ray imaging, computed tomography, optical tomography, photoacoustic tomography, multi-modality imaging modality, nuclear medicine, EEG, fNIRS, MRI (fMRI), ultrasound and imaging applications in clinical and pre-clinical diagnosis and therapy. It aims to provide a comprehensive introduction to all major aspects of standard medical imaging systems.

Prerequisite: None

MBBM832 CURRENT TOPICS IN BIOMEDICAL INSTRUMENTATION DESIGN

This module of the course is an overview of existing medical devices and discusses methods for development, evaluation, and approval of new medical devices. The course will cover both

diagnostic and interventional devices, and cover clinical and pre-clinical testing issues, as well as a discussion of FDA approval processes, funding start-ups, and cost effectiveness analysis. Students will work in teams to analyze requirements in the medical setting and come up with a plan for a new device, and analyze how best to develop it with a new start-up.

Prerequisite: None

MBBM833 CURRENT TOPICS IN DRUG DISCOVERY TECHNOLOGIES

This course aims to introduce the most recent and advanced technologies in the field of drug discovery. Particular emphases will be on lead generation and optimization where multidisciplinary and multifunctional efforts are essential to progress the candidate drug to the clinics. New technologies used in the fields of target selection/identification, hit identification, rational drug design, drug metabolism and pharmacokinetics, preclinical lead optimization, drug formulation and toxicity studies, will be introduced.

Prerequisite: None

MBBM834 CURRENT TOPICS IN EPIGENETICS

Epigenetics studies the heritable changes in phenotype that are independent of alterations in the DNA sequence itself. This course will examine the major epigenetic mechanisms. Particular attention will be paid to how the milestone discoveries in epigenetics were made. The course will also discuss the role of epigenetics in biological phenomena such as cellular reprogramming, X-inactivation, imprinting and the onset of human diseases.

Prerequisite: None

MBBM835 CURRENT TOPICS IN GENETICS, GENOMICS AND FUNCTIONAL GENOMICS

Genetics is the study of how biological information stored in the DNA of a genome is passed down from one generation to the next, while genomics and functional genomics are approaches for understanding genomic information. This course aims to provide students the basic knowledge of genetics, genomics and functional genomics and to familiarise students with the latest technological and methodological developments in these research fields.

Prerequisite: None

MBBM836 CURRENT TOPICS IN MENTAL HEALTH AND CLINICAL STUDY DESIGN

Mental health disorders are prevalent worldwide; each year around one quarter of the population suffers from one or more mental disorders. This course focuses on basic concepts of mental health, the method of mental state examination, introduction on measurement and assessment, clinical features of common mental problems. Commonly used clinical study methods will be also included.

Prerequisite: None

MBBM837 CURRENT TOPICS IN PROTEOMICS

This course focuses on cutting-edge proteomic approaches and technologies. The aim of the course is to provide each Ph.D. student with the fundamental knowledge and hands-on experience necessary for performing and analyzing proteomic experiments. The overall goal is to train researchers to identify new opportunities and applications for proteomic approaches in their biological research.

Prerequisite: None

MBBM838 CURRENT TOPICS IN NANOPROBES FOR BIOIMAGING

The course is about the current development of nanoparticles as contrast agents for biomedical imaging and sensing applications. Different contrast agents will be introduced including those for fluorescence imaging, magnetic resonance imaging, Photo acoustic imaging, etc. Preparation and surface functionalization of nanoparticles will be also introduced.

Prerequisite: None

MBBM899 DOCTORAL THESIS

This course spans six consecutive semesters. During the study period, students are required to perform independent research work under the supervision of the thesis supervisor. After successfully completing the qualifying examination and proposal assessment, a written thesis and an oral defence presenting the research findings with intellectual analysis are necessary for the assessment of the eligibility of graduation by the end of the study.

Pre-requisite: None

BACHELOR'S DEGREE PROGRAMME**BIOM110 GENERAL CHEMISTRY**

This course introduces the fundamental principles and concepts of chemistry to lay a foundation for future learning for students majoring in health sciences. The major areas covered in this course include atomic and molecular structure, chemical reactions and stoichiometry, energy and thermochemistry, chemical bonding, gases, chemical kinetics, chemical equilibrium, and introductory organic chemistry.

Pre-requisite: None

BIOM111 GENERAL CHEMISTRY LABORATORY

This laboratory course supplements the lecture course General Chemistry and provides students with hands on learning experience on qualitative and quantitative experimental techniques for investigating the properties and reactions of chemical substances.

Pre-requisite: None

BIOM120 GENERAL AND CLINICAL BIOCHEMISTRY

This course introduces the molecular basis of biological processes through the logic of chemistry. Topics covered include the structure and function of biomolecules, biochemistry techniques, basic metabolic pathways, and a brief introduction to the biochemical bases of relevant disease states.

Pre-requisite: None

BIOM121 BIOCHEMISTRY LABORATORY

This course aims to provide a hands-on opportunity for students to learn the basic experimental methods and instruments used in a biochemistry laboratory, and develop analytical and problem solving skills that will be required for the pursuit of their career in the health science area. Major topics covered include protein expression, concentration determination and gel electrophoresis, western blotting, chromatography, and enzyme kinetics. Students will also practice literature search and data presentation through the semester.

Pre-requisite: None

BIOM112 INTRODUCTION TO BIOLOGICAL SCIENCES

Biology is the study of life. With the objective of introducing students to the fields of biological and biomedical sciences, this course covers the following fundamental aspects or principles of biological sciences: basic units of life, genetic basis of life, evolution and biodiversity, development and function, and ecology and environment. Although all three domains or five kingdoms of life will be covered, the course will focus more on animals and humans.

Pre-requisite: None

BIOM210 CELL AND MOLECULAR BIOLOGY

This course aims to provide an introduction to the principles of modern cell and molecular biology, and build a foundation for students to initiate and develop the process of inquiry-based

learning and discovery in biology and medical sciences. The course will discuss fundamental molecular biology of the cell, current molecular genetic techniques, cell structure and function, and signal transduction pathways.

Pre-requisite: BIOM112 Introduction to Biological Sciences

BIOM211 CELL AND MOLECULAR BIOLOGY LABORATORY

This laboratory course applies concepts learned in Cell and Molecular Biology lecture to a molecular biology research project, with an aim to introduce students to in vitro techniques utilized in a modern biological research lab. While it is not possible to cover all the methods and technologies in a single semester, the fundamental skills taught in this course will provide a basis for understanding many more complex approaches. Topics covered include RNA isolation, agarose gel electrophoresis, PCR, restriction enzyme digestion, DNA cloning, bacterial transformation, plasmid DNA isolation, mammalian cell culture, DNA transfection, fluorescence microscopy, and sub-cellular fractionation.

Pre-requisite:

BIOM112 Introduction to Biological Sciences, and

BIOM210 Cell and Molecular Biology (or concurrent enrolment)

BIOM212 GENERAL AND CLINICAL MICROBIOLOGY

This course provides students with a broad-based foundation in the basic concepts of general and clinical microbiology. Topics covered include an overview of microbiology with basic information on bacteria, fungi, protozoa and viruses, a discussion of microbial physiology and genetics, and an introduction to microbial pathogenesis and the host response, providing a conceptual basis for understanding pathogenic microorganisms and the mechanisms by which they cause diseases in the human body. Successful completion of this course will prepare students for more advanced courses in related fields.

Pre-requisite:

BIOM112 Introduction to Biological Sciences, and

BIOM120 General and Clinical Biochemistry

BIOM213 MICROBIOLOGY LABORATORY

This course provides an opportunity for students to gain hands-on experience on basic microbiology methods and techniques. Topics covered include basic microscopy, aseptic technique, media preparation, bacterial growth and culture, staining methods, biochemical tests of microbes, effects of physical and chemical agents on bacteria, and eukaryotic organisms and viruses.

Pre-requisite: BIOM212 General and Clinical Microbiology (or concurrent enrolment)

BIOM220 GENETICS AND EPIGENETICS

This course introduces the basic principles of classical and molecular genetics and epigenetics, focusing on how biological information is stored, expressed, changed, and transmitted. Topics covered include inheritance, gene structure, expression and regulation, molecular genetic techniques, population and evolutionary genetics, followed by a discussion of the role of epigenetics in biological phenomena.

Pre-requisite:

BIOM112 Introduction to Biological Sciences, and

BIOM110 General Chemistry

BIOM221 DEVELOPMENT AND AGING

This lecture discusses animal development with focus on initiation and construction of an organism and the underlying molecular and genetic basis. Topics covered include an overview of developmental biology, the molecular mechanisms of development, cell commitment and early embryonic development, and the vertebrate development process. A final section will be devoted to a discussion of the aging process, including the evolutionary, biochemical, genetic and cellular mechanisms of aging, as well as age-related diseases.

Pre-requisite:
BIOM112 Introduction to Biological Sciences, and
BIOM210 Cell and Molecular Biology

BIOM222 PHYSIOLOGY AND PATHOPHYSIOLOGY

This course provides an introduction to the structure and function of the major physiological organ systems of the human body, how various body processes are integrated and regulated, and how perturbations in physiological regulatory mechanisms and anatomy result in pathophysiology. Common diseases and disorders of each system are covered, and emphasis is given on cardiovascular, pulmonary, hepatic, renal and reproductive systems.

Pre-requisite:
BIOM120 General and Clinical Biochemistry, and
BIOM210 Cell and Molecular Biology

BIOM310 NEUROSCIENCE AND NEURODEGENERATIVE DISEASES

This course aims to provide a systematic introduction to the mammalian nervous system. Topics covered include basic neuroanatomy, the electrophysiological properties of neural cells, sensory and motor systems, the structural and functional organization of the human brain, and an introduction to neural degenerative diseases.

Pre-requisite: BIOM222 Physiology and Pathophysiology

BIOM311 ENDOCRINOLOGY AND METABOLIC DISEASES

The course introduces the roles of hormones, the pathophysiologic process by which hormonal secretion is abnormal, and characteristics and treatments of various endocrine disorders to students. A number of metabolic diseases that pertain to defects in hormone production or signaling will be covered in the course. Main topics in the course include principles and practice of endocrinology, adrenal disorders, metabolic diseases, thyroid hormones and disorders, calcium homeostasis and metabolic bone disease, pituitary hormones and pituitary gland disorders, sex hormone disorders, and endocrine emergencies.

Pre-requisite: BIOM222 Physiology and Pathophysiology

BIOM312 IMMUNOLOGY AND INFECTIOUS DISEASES

This course provides a basic knowledge of the immune response and its involvement in health and disease, as well as an introduction to infectious disease, including the pathophysiology, clinical presentation and therapeutic management of common infectious diseases. Knowledge from this course will enable students to gain a broad foundation base and prepare them for advanced courses in the health care or medical research field.

Pre-requisite:
BIOM212 General and Clinical Microbiology, and
BIOM220 Genetics and Epigenetics

BIOM320 BIostatistics and Experimental Design

The course provides students with an understanding of basic concepts of data analysis and statistical inference in the medical and health sciences, with an emphasis on the application of statistical methods to the design and interpretation of biological experiments and comparative data. Specific topics include tools for describing central tendency and variability in data, methods for performing inference on population means and proportions via sample data, statistical hypothesis testing and its application to group comparisons, issues of power and sample size in study designs, and random sample and other study types.

Pre-requisite: None

BIOM321 GENOMICS AND BIOINFORMATICS

This course introduces fundamental concepts and tools in genomics and bioinformatics to provide students with a foundation for doing innovative research. The course emphasizes on various types of functional genomic data available and current computational methods for

interpreting and integrating the data to make inferences about cellular function. Topics covered include an introduction to genomics and bioinformatics, genomic sequencing, assembly and annotation, transcriptomics, proteomics, and application of genomic approaches.

Pre-requisite: BIOM210 Cell and Molecular Biology

BIOM322 GENETICS, GENOMICS AND BIOINFORMATICS LABORATORY

This laboratory course aims to provide students a hands-on experience through a series of laboratory experiments, designed to examine various genetics phenomenon in order to better understand fundamental genetics principles. In addition, students will carry out experiments and data analysis related to the fields of epigenetics, genomics and bioinformatics, such as DNA and protein sequence analysis, data mining from different types of research databases, standard Bioinformatics analysis of next generation sequencing data, etc. This course will equip students with the basic knowledge to solve biological questions using a genetics, genomics and bioinformatics approach.

Pre-requisite:

BIOM220 Genetics and Epigenetics, and

BIOM321 Genomics and Bioinformatics (or concurrent enrolment)

BIOM410 FINAL YEAR PROJECT I

The final year project is an essential part of the degree. In this course, students work independently on a research project under the supervision of an academic faculty member, culminating in a written research proposal and an oral presentation at the end of the first semester. The project supervisor guides the student through the process and provides support and advice on all aspects of the project work.

Pre-requisite: None

BIOM411 CANCER BIOLOGY AND THERAPY

Cancer has a profound impact on our society and has been the driving force behind major research advances in medical sciences. This course provides a comprehensive overview of the biology, pathology and treatment of cancer. Specific topics covered include an overview of the field, molecular and genetic basis of cancer, cancer pathology, carcinogens, and current cancer therapies.

Pre-requisite:

BIOM210 Cell and Molecular Biology, and

BIOM220 Genetics and Epigenetics

BIOM412 STEM CELL BIOLOGY AND REGENERATIVE MEDICINE

This course covers a broad range of topics relevant to stem cell biology. This fast-moving field brings together many aspects of basic and applied biology and medicine, including development, regeneration/repair, and cancer. The course covers the following concepts and themes: pluripotency and reprogramming, pluripotent cell types, organ systems, stem cells and cancer, therapeutics and ethics. The lecture/discussion format gives students both a broad background and the opportunity to apply critical thinking skills to recent data in the field.

Pre-requisite: BIOM221 Development and Aging

BIOM413 PHARMACOLOGY AND CHEMICAL BIOLOGY

This course introduces principles of chemical biology and pharmacology with an emphasis on drug action in cell and organism levels. The course begins with an introduction of chemical biology; utilizing small molecules to understand biological functions and pathways, as a basic knowledge to study pharmacology. The course then introduces the pharmacology of major categories of medications. This course also lays the foundation for future learning for students pursuing a career in drug discovery & development, clinical practice, medical research, or pharmaceutical industry.

Pre-requisite: BIOM120 General and Clinical Biochemistry

BIOM414 DRUG DISCOVERY AND DEVELOPMENT

This course aims to provide students with an overview of the drug discovery and development process from the identification of novel drug targets to the introduction of new drugs into clinical practice. Topics covered include approaches to new drug discovery, drug design and synthesis, pharmacodynamics, pharmacokinetics, drug interaction, drug transportation, prodrug design and application, the drug development process, and drug design case studies.

Pre-requisite:

BIOM120 General and Clinical Biochemistry, and

BIOM413 Pharmacology and Chemical Biology (or concurrent enrolment)

BIOM420 FINAL YEAR PROJECT II

The final year project is an essential part of the degree. In this course, students work independently on a research project under the supervision of an academic faculty member, culminating in a final project report and an oral presentation at the end of the second semester. The project supervisor guides the student through the process and provides support and advice on all aspects of the project work.

Pre-requisite: BIOM410 Final Year Project I

BIOM421 PUBLIC HEALTH

This course intends to survey the broad field of public health and serves as an introduction to the major issues of health and health care in general as well as in local community. The course defines and describes public health issues, and identifies potential problems and their solutions.

Pre-requisite: None

BIOM422 TRANSLATIONAL MEDICINE

The aim of translational medicine is to translate knowledge, mechanisms and techniques discovered by basic scientific research into new approaches for diagnosis and treatment of diseases. This course focuses on the principles and practices of translational medicine as they apply to the development of a new drug (small molecules and/or biologics), device, or diagnostic. Topics covered include a historical perspective of translational medicine, emerging concepts in biomarker discovery, innovative drug development, cell therapies, translational bioinformatics, IRB & ethical considerations in human subject research, and human clinical trials.

Pre-requisite: BIOM210 Cell and Molecular Biology

BIOM423 INTRODUCTION TO PHARMACY AND PHARMACEUTICAL ANALYSIS

This course introduces pharmacy practice and pharmaceutical analysis to the students. Topics covered include the pharmacy profession, the medication experience, medication dosage forms, pharmaceutical analysis techniques, pharmacopoeial methods of analysis, and quality control of pharmaceuticals. Knowledge from this course helps prepare students for careers in pharmacy and pharmaceutical industry.

Pre-requisite: BIOM120 General and Clinical Biochemistry

BIOM424 DRUG TOXICOLOGY

Pharmacological toxicology examines the mechanisms of action of medications and their potential to cause adverse or damaging effects upon the body. Assessment of these effects and characterization of their mechanistic basis is a critical area within drug discovery and development as well as clinical practice. This course provides an introduction to the basic principles of pharmacological toxicology. Topics covered include mechanisms of toxicity, toxicokinetics, factors affecting toxicity, toxicological testing, diagnosis and treatment, and substance abuse.

Pre-requisite: BIOM413 Pharmacology and Chemical Biology

PROGRAMMES OF STUDY

Faculty of Law**PhD Programmes**

The following specializations are offered in Academic Year 2016/2017:

- Constitutional Law, Basic Law and Administrative Law
- Civil Law
- Criminal Law
- Comparative Law
- European Union Law
- Legal History And Philosophy
- International Business Law
- International Law

	Credits
<u>Compulsory courses</u>	
LLAW800 Legal Research and Writing	3
LLAW803 Research Ethics ^(Note1)	0
Subtotal:	3
<u>Required elective course</u> ^(Note2)	
LLAW801 Comparative Legal System	3
LLAW802 Comparative Judicial System	3
Subtotal:	3
LLAW899 Doctoral Thesis	18
Total Credits:	24

Note

1: This course will be conducted online and coordinated by the Graduate School.

2: Students have to enroll in any 1 of the required elective courses

Master's Degree Programmes

Master of Law in Chinese Language

Area of Specialization: Constitutional Law, Basic Law and Administrative Law

		Credits
Year I		
Common Courses		
LLCL700	Research Methodology and Legal Writing Seminar	3
LLCL711	Constitutional Law	3
LLCL712	Administrative Law	3
LLCL713	Theory of Criminal Law	3
Special Courses		
LLCL714	Hong Kong and Macao Basic Law	3
LLCL715	Administrative Procedure Law	3
Elective Courses		
2 elective courses to be selected from the list of Elective Course		6
Subtotal:		24
Year II		
LLCL799	Academic Thesis	6
Total credits:		30

Area of Specialization: Comparative Criminal Law

		Credits
Year I		
Common Courses		
LLCL700	Research Methodology and Legal Writing Seminar	3
LLCL711	Constitutional Law	3
LLCL712	Administrative Law	3
LLCL713	Theory of Criminal Law	3
Special Courses		
LLCL716	Criminal Procedure Law	3
LLCL717	Comparative Criminal Law	3
Elective Courses		
2 elective courses to be selected from the list of Elective Course		6
Subtotal:		24
Year II		
LLCL799	Academic Thesis	6
Total credits:		30

Area of Specialization: Comparative Civil Law

	Credits
Year I	
Common Courses	
LLCL700 Research Methodology and Legal Writing Seminar	3
LLCL721 International Business Law	3
LLCL722 Comparative Property Law	3
LLCL723 Comparative Contract Law	3
Special Courses	
LLCL724 Comparative Civil Procedure Law	3
LLCL725 Comparative Commercial Organization Law	3
Elective Courses	
2 elective courses to be selected from the list of Elective Course	6
Subtotal:	24
Year II	
LLCL799 Academic Thesis	6
Total Credits:	30

Area of Specialization: International Commercial Law

	Credits
Year I	
Common Courses	
LLCL700 Research Methodology and Legal Writing Seminar	3
LLCL721 International Business Law	3
LLCL722 Comparative Property Law	3
LLCL723 Comparative Contract Law	3
Special Courses	
LLCL725 Comparative Commercial Organization Law	3
LLCL726 International Arbitration	3
Elective Courses	
2 elective courses to be selected from the list of Elective Course	6
Subtotal:	24
Year II	
LLCL799 Academic Thesis	6
Total Credits:	30

Area of Specialization: Environmental and Nature Resources Law

	Credits
Year I	
Common Courses	
LLCL700 Research Methodology and Legal Writing Seminar	3
LLCL721 International Business Law	3
LLCL722 Comparative Property Law	3
LLCL723 Comparative Contract Law	3
Special Courses	
LLCL727 Contemporary Problems in Environmental Law	3
LLCL728 Energy and Investment Law	3
Elective Courses	
2 elective courses to be selected from the list of Elective Course	6
Subtotal:	24
Year II	
LLCL799 Academic Thesis	6
Total credits:	30

List of Elective Course	Credits
LLCL731 Comparative Economic Law	3
LLCL732 Interregional Criminal Law	3
LLCL733 Macao Criminal Law	3
LLCL734 Public Prosecution System of Macao	3
LLCL735 Public Prosecution System of Europe	3
LLCL736 Judicial System of Hong Kong	3
LLCL737 Public Prosecution System of Taiwan	3
LLCL738 Public Prosecution System of Mainland	3
LLCL739 Public Prosecution System of Korea	3
LLCL740 Public Prosecution System of Japan	3
LLCL741 Issues of Special Administrative Region and Public International Law	3
LLCL742 Economic and Trade Law of Europe	3
LLCL743 Contemporary Problems in Intellectual Property Law	3
LLCL744 Contemporary Problems in International Private Law	3
LLCL745 Public Policy Analysis	3
LLCL746 Science of Administration: Theory and Practice	3
LLCL747 Criminology and Criminal Justice	3
LLCL748 Law and Economics	3
LLCL749 Comparative Study on Public Prosecution System of the East Asia	3
LLCL750 Seminars on Maritime Law	3
LLCL751 Seminars on Contemporary Issues of WTO Law	3
LLCL752 Seminars on Contemporary Issues of Investment Law	3
LLCL753 Seminar Series	3
Any one of the courses at the Master level offered by the Faculty of Law	3
Any specialized courses offered by the streams of Constitutional Law, Basic Law and Administrative Law or Comparative Criminal Law or Comparative Civil Law or International Commercial Law or Environmental and Nature Resources Law	3-9

FACULTY OF LAW

Master's Degree Programmes

Master of Law in European Union Law (English)

		Credits
Year I		
Compulsory Courses		
LLGC701	Research Methodology and Legal Writing Seminar	3
LLGC702	Comparative Legal Systems	3
Specialized Courses		
LLEL751	Institutional Law of the European Union	3
LLEL752	Economic Law of the European Union	3
LLEL753	External Law and Policy of the European Union	3
Elective Courses		
3 elective courses to be selected from the list of Elective Course		9
Subtotal:		24
Year II		
LLEL798	Academic Thesis	6
Total credits:		30

List of Elective Course		Credits
LLEL757	EU Competition Law	3
LLEL758	EU Environmental Law	3
LLEL759	EU Natural Resources and Energy Law	3
LLEL760	Treaty Reforms in the EU	3
LLEL761	Foreign Investment Law	3
LLEL762	International Criminal and Humanitarian Law	3
LLEL763	Human Rights and Refugee Law	3
LLEL764	Law of International Organizations	3
LLEL765	Legal Culture and Legal Pluralism	3
LLEL766	Common Law	3
LLEL767	Maritime and Shipping Law	3
LLEL768	E-commerce and Information Technology Law	3
LLEL769	Mooting	3
LLGC703	Seminar Series	3
LLIB724	Introduction to Macao Law	3
LLIB725	Macao and Comparative Gaming Law	3
LLIB726	Advanced Issues of International Trade Law	3
LLIB727	Asian Business Law	3
LLIB728	Company Law	3
LLIB729	Law and Society	3
LLIB730	Intellectual Property Law in the Creative Economy	3
LLIB731	Money Laundering and Anti-Corruption Law	3
LLIB732	Private International Law	3

LLIB733	Consumer Protection Law	3
LLIB734	Commercial Contracts	3
Any one of the courses at the Master Level offered by Faculty of Law		3
Any specialized courses from the streams of International Business Law or European Union Law or International and Comparative Law		3-9

FACULTY OF LAW

Master's Degree Programmes

Master of Law in International and Comparative Law (English)

		Credits
Year I		
Compulsory Courses		
LLGC701	Research Methodology and Legal Writing Seminar	3
LLGC702	Comparative Legal Systems	3
Specialized Courses		
LLEL754	Contemporary Issues in International Law	3
LLEL755	International Economic Law	3
LLEL756	Comparative Contract Law	3
Elective Courses		
3 elective courses to be selected from the list of Elective Course		9
Subtotal:		24
Year II		
LLEL798	Academic Thesis	6
Total credits:		30

List of Elective Course		Credits
LLEL757	EU Competition Law	3
LLEL758	EU Environmental Law	3
LLEL759	EU Natural Resources and Energy Law	3
LLEL760	Treaty Reforms in the EU	3
LLEL761	Foreign Investment Law	3
LLEL762	International Criminal and Humanitarian Law	3
LLEL763	Human Rights and Refugee Law	3
LLEL764	Law of International Organizations	3
LLEL765	Legal Culture and Legal Pluralism	3
LLEL766	Common Law	3
LLEL767	Maritime and Shipping Law	3
LLEL768	E-commerce and Information Technology Law	3
LLEL769	Mooting	3
LLGC703	Seminar Series	3
LLIB724	Introduction to Macao Law	3
LLIB725	Macao and Comparative Gaming Law	3
LLIB726	Advanced Issues of International Trade Law	3
LLIB727	Asian Business Law	3
LLIB728	Company Law	3
LLIB729	Law and Society	3
LLIB730	Intellectual Property Law in the Creative Economy	3
LLIB731	Money Laundering and Anti-Corruption Law	3
LLIB732	Private International Law	3

LLIB733	Consumer Protection Law	3
LLIB734	Commercial Contracts	3
Any one of the courses at the Master Level offered by Faculty of Law		3
Any specialized courses from the streams of International Business Law or European Union Law or International and Comparative Law		3-9

FACULTY OF LAW

Master's Degree Programmes**Master of Law in International Business Law (English)**

	Credits
Year I	
Compulsory Courses	
LLGC701 Research Methodology and Legal Writing Seminar	3
LLGC702 Comparative Legal Systems	3
Specialized Courses	
LLIB721 Transnational Law	3
LLIB722 WTO and Regional Trade Law	3
LLIB723 Dispute Resolution	3
Elective Courses	
3 elective courses to be selected from the list of Elective Course	9
Subtotal:	24
 Year II	
LLEL798 Academic Thesis	6
Total credits:	30

List of Elective Course	Credits
LLEL757 EU Competition Law	3
LLEL758 EU Environmental Law	3
LLEL759 EU Natural Resources and Energy Law	3
LLEL760 Treaty Reforms in the EU	3
LLEL761 Foreign Investment Law	3
LLEL762 International Criminal and Humanitarian Law	3
LLEL763 Human Rights and Refugee Law	3
LLEL764 Law of International Organizations	3
LLEL765 Legal Culture and Legal Pluralism	3
LLEL766 Common Law	3
LLEL767 Maritime and Shipping Law	3
LLEL768 E-commerce and Information Technology Law	3
LLEL769 Mooting	3
LLGC703 Seminar Series	3
LLIB724 Introduction to Macao Law	3
LLIB725 Macao and Comparative Gaming Law	3
LLIB726 Advanced Issues of International Trade Law	3
LLIB727 Asian Business Law	3
LLIB728 Company Law	3
LLIB729 Law and Society	3
LLIB730 Intellectual Property Law in the Creative Economy	3
LLIB731 Money Laundering and Anti-Corruption Law	3

LLIB732	Private International Law	3
LLIB733	Consumer Protection Law	3
LLIB734	Commercial Contracts	3
Any one of the courses at the Master Level offered by Faculty of Law		3
Any specialized courses from the streams of International Business Law or European Union Law or International and Comparative Law		3-9

FACULTY OF LAW

Master's Degree Programmes**Master of Law in Legal Translation****- Medium of instruction: Chinese and Portuguese**

		Credits
Year I		
Compulsory Courses		
LLTS700	Methodology of Legal Research	3
LLTS701	Macao Law	3
LLTS702	Legal Translation	3
Elective Courses (Students have to enroll in 3 of the following subjects)		
<u>For students do not possess Bachelor of Law Degree</u>		
LLTS710	Constitutional Law	3
LLTS711	Criminal Law	4
LLTS712	Administrative Law I	3
LLTS713	Administrative Law II	3
LLTS714	General Theory of Civil Law	4
LLTS715	Obligation Law	4
LLTS716	Property Law	3
LLTS717	Family and Succession Law	4
LLTS718	Commercial Law	4
<u>For students possess Bachelor of Law Degree</u>		
LLLP702	Advanced Study of Public Law (in Portuguese)	3
LLLP703	Advanced Study of Private Law (in Portuguese)	3
LLLP704	Advanced Study of Public Administration and Civil Services	3
LLLP705	Drafting of Bilingual Laws and Legal Translation	3
LLLP706	Non-Litigation Dispute Resolution (in Portuguese)	3
LLLP707	Bilingual Legal Writing (in Chinese and Portuguese)	3
Elective Courses (offered by Faculty of Arts & Humanities)		
(Students have to enroll in 3 of the following subjects)		
TRSL714	Chinese/Portuguese Translation	3
TRSL715	Portuguese/Chinese Translation	3
TRSL716	Interpreting I Chinese/Portuguese	3
TRSL717	Interpreting II Chinese/Portuguese	3
TRSL744	History, Culture and Translation	3
TRSL755	Translation of Legal Texts	3
Subtotal:		27 (Minimum)
Year II		
LLTS798	Applied Thesis	3
Total credits:		30 (Minimum)

Postgraduate Certificate in Law Programmes

Postgraduate Certificate in Law in Chinese Language

Coursework of the Postgraduate Certificate in Law in Chinese Language is conducted jointly with the Master of Law in Chinese Language.

The period of study of the Postgraduate Certificate in Law in Chinese Language is one academic year.

Postgraduate Certificate in Law in Portuguese Language

Coursework of the Postgraduate Certificate in Law in Portuguese Language is conducted jointly with the Master of Law in Portuguese Language.

The period of study of the Postgraduate Certificate in Law in Portuguese Language is one academic year.

Postgraduate Certificate in Law in European Union Law (English), International and Comparative Law (English)

Coursework of the Postgraduate Certificate in Law in European Union Law (English), International and Comparative Law (English) is conducted jointly with the Master of Law in European Union Law (English), International and Comparative Law (English).

The period of study of the Postgraduate Certificate in Law in European Union Law (English), International and Comparative Law (English) is one academic year.

Postgraduate Certificate in Law in International Business Law (English)

Coursework of the Postgraduate Certificate in Law in International Business Law (English) is conducted jointly with the Master of Law in International Business Law (English).

The period of study of the Postgraduate Certificate in Law in International Business Law (English) is one academic year.

FACULTY OF LAW

Postgraduate Certificate in Law Programmes

Introduction to Macao Law

- Medium of instruction: Chinese

		Credits
Preparation period:		
LMLL601	Portuguese Language	2
LMLL602	Legal Language	2
LMLL603	History of Macao	2
First Quarter:		
LMLL604	Legal History of Macao	2
LMLL605	General Theory of Civil Law	4
LMLL606	Constitutional Law	3
LMLL607	Criminal Law	3
LMLL608	Public International Law	2
LMLL609	Administrative Law I	3
LMLL610	Public Administration	2
LMLL611	Legal Language (Portuguese)	2
Second Quarter:		
LMLL621	Public Economic Law	2
LMLL622	Criminal Procedural Law	4
LMLL623	Obligation Law	4
LMLL624	Property Law	3
LMLL625	Civil Procedural Law I	4
LMLL626	Administrative Law II	3
LMLL612	Legal Language (Portuguese)	2
Third Quarter		
LMLL627	Family and Succession Law	4
LMLL628	Commercial Law	4
LMLL629	Private International Law	4
LMLL630	Notary and Registry Law	2
LMLL631	Civil Procedural Law II	4
LMLL632	The Judicial and Legal Profession	2
LMLL633	Legal Language (Portuguese and Chinese)	2

Bachelor's Degree Programmes

Bachelor of Law

- Medium of instruction: Chinese Language [Daytime]

		Credits
Year I		
LAWS112	Introduction to Law	3
LAWS150	Introduction to Law (Legal Practical Course)	1
LAWS113	Legal History	3
LAWS114	Constitutional Law	3
LAWS153	Constitutional Law (Legal Practical Course)	1
LAWS115	Macao Basic Law	3
LAWS154	Macao Basic Law (Legal Practical Course)	1
LAWS116	Public International Law	3
LAWS155	Public International Law (Legal Practical Course)	1
PTSB110	Language Laboratory: Development of Pronunciation and Production I	3
PTSB111	Introduction to the Comprehension of Written Portuguese I	3
PTSB112	Introduction to Portuguese Language I	3
PTSB113	Communicating in Portuguese	3
PTSB120	Language Laboratory: Development of Pronunciation and Production II	3
PTSB121	Introduction to the Comprehension of Written Portuguese II	3
PTSB122	Introduction to Portuguese Language II	3
PTSB123	Introduction to Conversation	3
SAGE102	First-Year Experiential Learning	0
<u>Students have to enrol in 1 General Education Course from the below:</u>		
EDPE101	Wellness and Sport Practice	(1)
EDPA211	Visual and Performing Arts - Visual Art	(2)
EDPA212	Visual and Performing Arts – Drama	(2)
EDPA213	Visual and Performing Arts – Music	(2)
Subtotal:		44-45
Year II		
LAWS110	General Theory of Civil Law I	3
LAWS151	General Theory of Civil Law I (Legal Practical Course)	2
LAWS120	General Theory of Civil Law II	3
LAWS152	General Theory of Civil Law II (Legal Practical Course)	2
LAWS210	Obligation Law I	3
LAWS250	Obligation Law I (Legal Practical Course)	2
LAWS211	Administrative Law I	3
LAWS253	Administrative Law I (Legal Practical Course)	1
LAWS221	Administrative Law II	3
LAWS254	Administrative Law II (Legal Practical Course)	1
LAWS212	Family Law	3
LAWS255	Family Law (Legal Practical Course)	1
LAWS222	Patrimonial Family Law and Succession Law	3
LAWS256	Patrimonial Family Law and Succession Law (Legal Practical Course)	1
LAWS215	Economics	3

PTSB210	Language Laboratory: Development of Pronunciation and Production III	3
PTSB211	Structure of Portuguese I	3
PTSB212	Writing I	3
PTSB220	Language Laboratory: Development of Pronunciation and Production IV	3
PTSB221	Structure of Portuguese II	3
PTSB222	Writing II	3
Subtotal:		52

Year III

LAWS220	Obligation Law II	3
LAWS251	Obligation Law II (Legal Practical Course)	2
LAWS214	Labour Law	3
LAWS252	Labour Law (Legal Practical Course)	1
LAWS312	Property Law	3
LAWS350	Property Law (Legal Practical Course)	1
LAWS310	Commercial Law I	3
LAWS351	Commercial Law I (Legal Practical Course)	1
LAWS320	Commercial Law II	3
LAWS352	Commercial Law II (Legal Practical Course)	1
LAWS311	Criminal Law I	3
LAWS353	Criminal Law I (Legal Practical Course)	2
LAWS321	Criminal Law II	3
LAWS354	Criminal Law II (Legal Practical Course)	2
LAWS313	Administrative Law III	3
LAWS355	Administrative Law III (Legal Practical Course)	1
LAWS314	Civil Procedural Law I	3
LAWS356	Civil Procedural Law I (Legal Practical Course)	2
Elective courses		6
Subtotal:		46

Year IV

LAWS411	Private International Law	3
LAWS450	Private International Law (Legal Practical Course)	1
LAWS410	Commercial Law III	3
LAWS451	Commercial Law III (Legal Practical Course)	1
LAWS412	Criminal Procedural Law	3
LAWS452	Criminal Procedural Law (Legal Practical Course)	1
LAWS414	Civil Procedural Law II	3
LAWS453	Civil Procedural Law II (Legal Practical Course)	2
LAWS420	Civil Procedural Law III	3
LAWS454	Civil Procedural Law III (Legal Practical Course)	1
LAWS413	Political Science	3
LAWS416	Research and Internship	3
Elective course		3
Subtotal:		30
Total Credits:		172-173

List of Elective Courses		Credits
LAWS161	Public Economics	3
LAWS162	Tax Law	3
LAWS163	Comparative Legal Systems	3
LAWS164	Environmental Law	3
LAWS165	Registry and Notary Law	3
LAWS166	Forensic Medicine	3
LAWS167	Especial Part of Criminal Law	3
LAWS168	Juridicial Practice	3
LAWS169	General Theory of Chinese Law	3
LAWS170	General Theory of Portuguese Law	3
LAWS171	Portuguese Legal Language	3
LAWS172	Introduction to Alternative Dispute Resolution	3
LAWS173	Legal History of Macao	3

FACULTY OF LAW

Bachelor's Degree Programmes**Bachelor of Law****- Medium of instruction: Chinese Language [Evening]**

		Credits
Year I		
LAWS112	Introduction to Law	3
LAWS150	Introduction to Law (Legal Practical Course)	1
LAWS113	Legal History	3
LAWS114	Constitutional Law	3
LAWS153	Constitutional Law (Legal Practical Course)	1
LAWS115	Macao Basic Law	3
LAWS154	Macao Basic Law (Legal Practical Course)	1
PTSB110	Language Laboratory: Development of Pronunciation and Production I	3
PTSB111	Introduction to the Comprehension of Written Portuguese I	3
PTSB112	Introduction to Portuguese Language I	3
PTSB113	Communicating in Portuguese	3
PTSB120	Language Laboratory: Development of Pronunciation and Production II	3
PTSB121	Introduction to the Comprehension of Written Portuguese II	3
PTSB122	Introduction to Portuguese Language II	3
PTSB123	Introduction to Conversation	3
SAGE102	First-Year Experiential Learning	0
Subtotal:		39
Year II		
LAWS110	General Theory of Civil Law I	3
LAWS151	General Theory of Civil Law I (Legal Practical Course)	2
LAWS120	General Theory of Civil Law II	3
LAWS152	General Theory of Civil Law II (Legal Practical Course)	2
LAWS116	Public International Law	3
LAWS155	Public International Law (Legal Practical Course)	1
LAWS214	Labour Law	3
LAWS252	Labour Law (Legal Practical Course)	1
LAWS211	Administrative Law I	3
LAWS253	Administrative Law I (Legal Practical Course)	1
LAWS221	Administrative Law II	3
LAWS254	Administrative Law II (Legal Practical Course)	1
PTSB210	Language Laboratory: Development of Pronunciation and Production III	3
PTSB211	Structure of Portuguese I	3
PTSB212	Writing I	3
LAWS215	Economics	3
Subtotal:		38

		Credits
Year III		
LAWS210	Obligation Law I	3
LAWS250	Obligation Law I (Legal Practical Course)	2
LAWS220	Obligation Law II	3
LAWS251	Obligation Law II (Legal Practical Course)	2
LAWS312	Property Law	3
LAWS350	Property Law (Legal Practical Course)	1
LAWS311	Criminal Law I	3
LAWS353	Criminal Law I (Legal Practical Course)	2
LAWS321	Criminal Law II	3
LAWS354	Criminal Law II (Legal Practical Course)	2
LAWS313	Administrative Law III	3
LAWS355	Administrative Law III (Legal Practical Course)	1
PTSB220	Language Laboratory: Development of Pronunciation and Production IV	3
PTSB221	Structure of Portuguese II	3
PTSB222	Writing II	3
Elective course		3
Subtotal:		40
Year IV		
LAWS212	Family Law	3
LAWS255	Family Law (Legal Practical Course)	1
LAWS222	Patrimonial Family Law and Succession Law	3
LAWS256	Patrimonial Family Law and Succession Law (Legal Practical Course)	1
LAWS310	Commercial Law I	3
LAWS351	Commercial Law I (Legal Practical Course)	1
LAWS320	Commercial Law II	3
LAWS352	Commercial Law II (Legal Practical Course)	1
LAWS412	Criminal Procedural Law	3
LAWS452	Criminal Procedural Law (Legal Practical Course)	1
LAWS314	Civil Procedural Law I	3
LAWS356	Civil Procedural Law I (Legal Practical Course)	2
LAWS414	Civil Procedural Law II	3
LAWS453	Civil Procedural Law II (Legal Practical Course)	2
Elective course		3
Subtotal:		33
Year V		
LAWS411	Private International Law	3
LAWS450	Private International Law (Legal Practical Course)	1
LAWS420	Civil Procedural Law III	3
LAWS454	Civil Procedural Law III (Legal Practical Course)	1
LAWS410	Commercial Law III	3
LAWS451	Commercial Law III (Legal Practical Course)	1
LAWS413	Political Science	3
LAWS416	Research and Internship	3
Elective course		3
Subtotal:		21
Total Credits:		171

List of Elective Courses		Credits
LAWS161	Public Economics	3
LAWS162	Tax Law	3
LAWS163	Comparative Legal Systems	3
LAWS164	Environmental Law	3
LAWS165	Registry and Notary Law	3
LAWS166	Forensic Medicine	3
LAWS167	Especial Part of Criminal Law	3
LAWS168	Juridicial Practice	3
LAWS169	General Theory of Chinese Law	3
LAWS170	General Theory of Portuguese Law	3
LAWS171	Portuguese Legal Language	3
LAWS172	Introduction to Alternative Dispute Resolution	3
LAWS173	Legal History of Macao	3

Bachelor's Degree Programmes

Bachelor of Law Programme (Conducted in Chinese and Portuguese)

- Medium of instruction: Chinese and Portuguese Language

		Credits
Year I		
PTSB110	Language Laboratory: Development of Pronunciation and Production I	3
PTSB111	Introduction to the Comprehension of Written Portuguese I	3
PTSB112	Introduction to Portuguese Language I	3
PTSB113	Communicating in Portuguese	3
PTSB120	Language Laboratory: Development of Pronunciation and Production II	3
PTSB121	Introduction to the Comprehension of Written Portuguese II	3
PTSB122	Introduction to Portuguese Language II	3
PTSB123	Introduction to Conversation	3
PTSB210	Language Laboratory: Development of Pronunciation and Production III	3
PTSB211	Structure of Portuguese I	3
PTSB212	Writing I	3
PTSB220	Language Laboratory: Development of Pronunciation and Production IV	3
PTSB221	Structure of Portuguese II	3
PTSB222	Writing II	3
Subtotal:		42
Year II		
PTSB311	Practical Writing for Professional Purposes I	3
PTSB312	Advanced Intermediate Comprehension and Production Skills I	3
PTSB321	Practical Writing for Professional Purposes II	3
LAWS112	Introduction to Law	3
LAWS150	Introduction to Law (Legal Practical Course)	1
LAWS113	Legal History	3
LAWS114	Constitutional Law	3
LAWS153	Constitutional Law (Legal Practical Course)	1
LAWS115	Macao Basic Law	3
LAWS154	Macao Basic Law (Legal Practical Course)	1
LAWS116	Public International Law	3
LAWS155	Public International Law (Legal Practical Course)	1
SAGE102	First-Year Experiential Learning	0
Elective course		3
<u>Students have to enrol in 1 General Education Course from the below:</u>		
EDPE101	Wellness and Sport Practice	(1)
EDPA211	Visual and Performing Arts - Visual Art	(2)
EDPA212	Visual and Performing Arts – Drama	(2)
EDPA213	Visual and Performing Arts – Music	(2)
Subtotal:		32-33

		Credits
Year III		
LAWS110	General Theory of Civil Law I	3
LAWS151	General Theory of Civil Law I (Legal Practical Course)	2
LAWS120	General Theory of Civil Law II	3
LAWS152	General Theory of Civil Law II (Legal Practical Course)	2
LAWS210	Obligation Law I	3
LAWS250	Obligation Law I (Legal Practical Course)	2
LAWS211	Administrative Law I	3
LAWS253	Administrative Law I (Legal Practical Course)	1
LAWS221	Administrative Law II	3
LAWS254	Administrative Law II (Legal Practical Course)	1
LAWS212	Family Law	3
LAWS255	Family Law (Legal Practical Course)	1
LAWS222	Patrimonial Family Law and Succession Law	3
LAWS256	Patrimonial Family Law and Succession Law	1
LAWS215	Economics	3
Elective course		3
Subtotal:		37
Year IV		
LAWS220	Obligation Law II	3
LAWS251	Obligation Law II (Legal Practical Course)	2
LAWS214	Labour Law	3
LAWS252	Labour Law (Legal Practical Course)	1
LAWS312	Property Law	3
LAWS350	Property Law (Legal Practical Course)	1
LAWS310	Commercial Law I	3
LAWS351	Commercial Law I (Legal Practical Course)	1
LAWS320	Commercial Law II	3
LAWS352	Commercial Law II (Legal Practical Course)	1
LAWS311	Criminal Law I	3
LAWS353	Criminal Law I (Legal Practical Course)	2
LAWS321	Criminal Law II	3
LAWS354	Criminal Law II (Legal Practical Course)	2
LAWS313	Administrative Law III	3
LAWS355	Administrative Law III (Legal Practical Course)	1
LAWS314	Civil Procedural Law I	3
LAWS356	Civil Procedural Law I (Legal Practical Course)	2
Subtotal:		40
Year V		
LAWS411	Private International Law	3
LAWS450	Private International Law (Legal Practical Course)	1
LAWS410	Commercial Law III	3
LAWS451	Commercial Law III (Legal Practical Course)	1
LAWS412	Criminal Procedural Law	3
LAWS452	Criminal Procedural Law (Legal Practical Course)	1
LAWS414	Civil Procedural Law II	3
LAWS453	Civil Procedural Law II (Legal Practical Course)	2

LAWS420	Civil Procedural Law III	3
LAWS454	Civil Procedural Law III (Legal Practical Course)	1
LAWS413	Political Science	3
LAWS416	Research and Internship	3
Elective course		3

Subtotal:	30
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Total Credits: 181-182

List of Elective Courses		Credits
LAWS161	Public Economics	3
LAWS162	Tax Law	3
LAWS163	Comparative Legal Systems	3
LAWS164	Environmental Law	3
LAWS165	Registry and Notary Law	3
LAWS166	Forensic Medicine	3
LAWS167	Especial Part of Criminal Law	3
LAWS168	Juridicial Practice	3
LAWS169	General Theory of Chinese Law	3
LAWS170	General Theory of Portuguese Law	3
LAWS171	Portuguese Legal Language	3
LAWS172	Introduction to Alternative Dispute Resolution	3
LAWS173	Legal History of Macao	3

FACULTY OF LAW

Bachelor's Degree Programmes**Bachelor of Law in Portuguese Language****- Medium of instruction: Portuguese**

		Credits
Year I		
LAWS112	Introduction to Law	3
LAWS150	Introduction to Law (Legal Practical Course)	1
LAWS114	Constitutional Law	3
LAWS153	Constitutional Law (Legal Practical Course)	1
LAWS115	Macao Basic Law	3
LAWS154	Macao Basic Law (Legal Practical Course)	1
LAWS113	Legal History	3
LAWS117	Economics I	3
LAWS122	Economics II	3
LAWS118	Chinese Language I	1
LAWS123	Chinese Language II	1
or		
LAWS119	Translation Technics Chinese/Portuguese I	1
LAWS124	Translation Technics Chinese/Portuguese II	1
SAGE102	First-Year Experiential Learning	0
Subtotal:		23
Year II		
LAWS110	General Theory of Civil Law I	3
LAWS151	General Theory of Civil Law I (Legal Practical Course)	2
LAWS120	General Theory of Civil Law II	3
LAWS152	General Theory of Civil Law II (Legal Practical Course)	2
LAWS211	Administrative Law I	3
LAWS253	Administrative Law I (Legal Practical Course)	1
LAWS221	Administrative Law II	3
LAWS254	Administrative Law II (Legal Practical Course)	1
LAWS219	Public Economics	4
LAWS116	Public International Law	3
LAWS155	Public International Law (Legal Practical Course)	1
LAWS216	Chinese Language III	1
LAWS224	Chinese Language IV	1
or		
LAWS217	Legal Translation Chinese/Portuguese I	1
LAWS225	Legal Translation Chinese/Portuguese II	1
Subtotal:		28

		Credits
Year III		
LAWS210	Obligation Law I	3
LAWS250	Obligation Law I (Legal Practical Course)	2
LAWS220	Obligation Law II	3
LAWS251	Obligation Law II (Legal Practical Course)	2
LAWS311	Criminal Law I	3
LAWS353	Criminal Law I (Legal Practical Course)	2
LAWS321	Criminal Law II	3
LAWS354	Criminal Law II (Legal Practical Course)	2
LAWS214	Labour Law	3
LAWS252	Labour Law (Legal Practical Course)	1
LAWS162	Tax Law	3
LAWS315	Chinese Language V	1
LAWS322	Chinese Language VI	1
or		
LAWS316	Legal English I	1
LAWS323	Legal English II	1
Subtotal:		29
Year IV		
LAWS312	Property Law	3
LAWS350	Property Law (Legal Practical Course)	1
LAWS212	Family Law	3
LAWS255	Family Law (Legal Practical Course)	1
LAWS222	Patrimonial Family Law and Succession Law	3
LAWS256	Patrimonial Family Law and Succession Law (Legal Practical Course)	1
LAWS314	Civil Procedural Law I	3
LAWS356	Civil Procedural Law I (Legal Practical Course)	2
LAWS414	Civil Procedural Law II	3
LAWS453	Civil Procedural Law II (Legal Practical Course)	2
LAWS310	Commercial Law I	3
LAWS351	Commercial Law I (Legal Practical Course)	1
LAWS313	Administrative Law III	3
LAWS355	Administrative Law III (Legal Practical Course)	1
LAWS412	Criminal Procedural Law	3
LAWS452	Criminal Procedural Law (Legal Practical Course)	1
Subtotal:		34
Year V		
LAWS320	Commercial Law II	3
LAWS352	Commercial Law II (Legal Practical Course)	1
LAWS410	Commercial Law III	3
LAWS451	Commercial Law III (Legal Practical Course)	1
LAWS411	Private International Law	3
LAWS450	Private International Law (Legal Practical Course)	1
LAWS420	Civil Procedural Law III	3
LAWS454	Civil Procedural Law III (Legal Practical Course)	1
LAWS510	General Theory of Chinese Law	4
LAWS520	General Theory of Law	4

LAWS521	Comparative Law	4
LAWS166	Forensic Medicine	3
LAWS522	Research Paper	1
<hr/> Subtotal:		32
Total credits:		146

Note: The study plan has been gradually implemented since 2014/2015.

Course Description

DOCTOR OF PHILOSOPHY IN LAW

LLAW800 LEGAL RESEARCH AND WRITING

This course is designed to teach PhD students advanced legal research and writing skills. It is taught by a group of PhD supervisors mainly from the FLL. Depending on availability, high caliber legal academics from other law schools may also be invited to join the teaching team on a case by case basis. The course covers a wide range of topics of legal research and writing, such as jurisprudence, legal research methodologies, use of library resources, legal reasoning, preparation and writing of law journal articles, preparation and writing of PhD thesis, use of references, formality for legal writing, and critical legal thinking.

LLAW801 COMPARATIVE LEGAL SYSTEM

This course purports to offer advanced knowledge of comparative legal studies to PhD students. The FLL is strong in comparative law studies, which is also one of special strengths the FLL will further improve as part of FLL's strategic development plan. The course is taught in the mode of group teaching. Experts of different legal systems will share their knowledge with students in a number of essential areas of legal studies, such as constitutional law, civil law, commercial law, criminal law, procedural law, tort law, administrative law and private international law. The specific legal systems to be presented may vary slightly depending on availability of experts in any given time, and the general legal systems to be covered in many countries.

LLAW802 COMPARATIVE JUDICIAL SYSTEM

This seminar is designed to give the students deep understanding of judicial systems in different legal traditions of the world. The course will especially focus on Mainland China, Taiwan, and Japan as representing the civil law tradition and Canada, Australia, and the U.S as representing the common law tradition. The students can learn the similarity and difference between these two legal traditions through examinations of historical background, constitutional system, judicial review, judicial system, legal profession, interpretation and judicial process and civil and criminal procedure.

LLAW803 RESEARCH ETHICS

This course will be conducted online and coordinated by the Graduate School starting from Academic Year 2016/2017. For PhD students who were admitted in or before Academic Year 2015/2016 and have not taken or have not passed Research Ethics, students will take the online Research Ethics course offered in or after Academic Year 2016/2017. One credit will be assigned to their online Research Ethics course for the aforementioned students to fulfill the credit requirements for graduation.

MASTER OF LAW IN CHINESE LANGUAGE PROGRAMME

LLCL700 RESEARCH METHODOLOGY AND LEGAL WRITING SEMINAR

The course on research methodology and legal writing will cover multiple aspects related to the training and improvement of research skills including their successful presentation in different formats used by the academic world. It notably focuses on the role of methodology in connection with the need for a balanced choice between general academic research standards and particular needs related to the topic chosen by the researcher, furthermore, the course offers insights in how to successfully draft an excellent research proposal, how to structure a presentation both orally and in writing, different citation and writing styles, the use of legal database and many more pertinent issues.

LLCL711 CONSTITUTIONAL LAW

Theories and current status of contemporary theories of constitutional law; development of basic principles, content and of the functions of constitutional law; comparative studies on the principles, forms, characteristics, content and functions of political systems of the states; comparative studies on the principles, content, procedures and methods of the systems of election; comparative studies on the content, characteristics and development of the systems of human rights; comparative studies on the organization, formation, functions and powers (legislative power and supervisory power) of the system of legislation and the procedure of legislation; comparative studies on the organization, formation, functions and powers (efficiency and legitimacy), principles of operation of the administrative system and the development of political power; comparative studies on the organization, characteristics, independence and functions of the judicial system; comparative studies on the constitutional safeguards, constitutional construction and examination of violation of the constitution.

LLCL712 ADMINISTRATIVE LAW

I. Historical evolution of administrative law: France, Germany, Portugal and China. II. Sources of administrative law in Macao. III. Principles of administrative law and their new development. IV. Administrative organizations in Macao. V. Administrative act, classification of administrative acts, determinative nature of administrative act and its force of enforcement. VI. Administrative procedure: analyses of the Code of Administrative Procedure of Macao. VII. Effectiveness of administrative act and errors in administrative act. VIII. Discussion on the legal system of civil servants in Macao. IX. Administrative litigation: analyses of the Code of Administrative Litigation of Macao.

LLCL713 THEORY OF CRIMINAL LAW

I. Historical evolution of criminal law theories in the Continental Legal Family. II. Development and improvement of basic principles of the criminal law. III. Theories and schools of the constituent elements of crime. IV. Theories and laws on inchoate crime. V. Theories and laws on joint crime. VI. Theories and laws on justifications. VII. Evolution, functions and purposes of punishment. VIII. Classification and laws of punishment. IX. Theories and laws on the application of punishment. X. Theories and laws on the execution of punishment. XI. Theories and laws on the system of the specific part of the criminal law.

LLCL714 HONG KONG AND MACAO BASIC LAW

Survey on theory of "One Country and Two Systems" and the Basic Law. Analysis the new issues arising from the practice. Subjects for discussion include relations between Government and the Special Administration regions, political, social, economic and cultural system and the relevant legal system.

LLCL715 ADMINISTRATIVE PROCEDURE LAW

Part 1: Concept of administrative review (appeal), comparison of systems of administrative review in Mainland China, Hong Kong, Taiwan and Macao, instance of administrative review, the scope of administrative review, organs handing administrative review, and analysis of Code of Macao Administrative Procedure.

Part 2: Concept of administrative litigation, relations between administrative review and administrative litigation, jurisdiction of judicial organs, scope of administrative litigation, adjudication procedure, and remedy mechanism to verdict in administrative litigation.

LLCL716 CRIMINAL PROCEDURE LAW

Provisions in the Code of Criminal Procedure of Macao and theories of criminal procedure, models of criminal procedure, international human rights standards in criminal procedure, the power of investigation and its limits, systems of public prosecution and various models fair trial principles, the rights and responsibilities of the accused person, defense and legal aid, the system of evidence and exclusion of evidence, the rights and status of the victim, international mutual assistance in criminal matters, relevant trends and development in China and other jurisdictions, and other important topics.

LLCL717 COMPARATIVE CRIMINAL LAW

This course focuses on the different system of criminal law, especially the differences between the continental law system and Anglo-American Legal System. It contains their different historical development, concepts and special legal systems.

LLCL721 INTERNATIONAL BUSINESS LAW

This course provides a broad introduction to the concept, scope and regulatory issues related to the conduct of international business law in the globalized world of today. Taking into account the increasing economic interdependence between national economies and the emergence of multinational companies(MNCs), the course focused on the emergence of a third, i.e. transnational, legal order aspects of both public and private (international) law.

LLCL722 COMPARATIVE PROPERTY LAW

Research on the legislative system and principles of commercial law in Macao. Liability of commercial contract. Law on product liability and compensation. Forms and liability of agent. Research on issues of legislation and amendments regarding limited liability company, share limited company and group corporation. Research on law of commercial instruments. International comparison and research on law on the carriage of goods by sea and marine insurance law. Classification of commercial arbitration, applicable law, arbitration clause and procedure, recognition and execution of foreign arbitration decision and other legal topics.

LLCL723 COMPARATIVE CONTRACT LAW

This course compares contract law in different countries and areas. It discuss mainly: general principles, formation, vitiating factors, exemption clauses, performance, discharge, breach, remedies and so on.

LLCL724 COMPARATIVE CIVIL PROCEDURE LAW

This course compares the different system of civil procedure law in different countries and areas. It includes the introduction of civil procedure Law, general frame of the action in civil jurisdiction, the right to a legal action, legal classification of the actions, concepts and features, interpretation and integration. Application in time and in space, theory and structure of procedural relation, the procedural act, dynamics of the procedural Relation, formalities of the Ordinary Declaratory Process and so on.

LLCL725 COMPARATIVE COMMERCIAL ORGANIZATION LAW

This course focuses on different legal regulation concerning the private companies and public companies in distinctive countries and areas and discusses the major trends of in commercial organization law. All major issues of this course will be covered, including fundamental concepts (types of companies; limited liability; capital maintenance), the creation of companies, the capital, the shares, the organs of companies, the rights and obligations of shareholders, and the dissolution and liquidation of companies.

LLCL726 INTERNATIONAL ARBITRATION

This course addresses arbitration as an alternative means to resolve international commercial disputes, and introduce some important organizations involved in the international arbitration, as well as their arbitration procedure issues, respectively.

LLCL727 CONTEMPORARY PROBLEMS IN ENVIRONMENTAL LAW

In light of the growing global concern for a sustainable development, this course covers the central laws and international bodies concerning the protection of the environment. As a cross-sectional problem the protection of the environment poses a multidisciplinary challenge of both local and global relevance. Therefore, this course discusses several urgent environmental problems, such as climate change, exhausting of nature resources, pollution of the air, water and the sea, and identifies the relevant legal responses to them and critically connects them to the global institutional framework set since the adoption of the United Nations Charter.

LLCL728 ENERGY AND INVESTMENT LAW

This course will present the role of energy law in the wider context of a society and the search for alternative energy resources, such as eolian(wind), solar, geothermal and hydrogen, cold fusion and other still to be invented energy resources. This course will also discuss the investment in the area of energy and relative legal issues.

LLCL731 COMPARATIVE ECONOMIC LAW

This course compares different economic legal systems of variable countries and regions. It includes: I. definition, objects and general principles of economic law in main legal systems. II. Legal research on economical administration, organization and market. III. Improvement in foreign related investment law, importation of specialized professionals and investment, comparisons of rules on tourism and entertainment, research on legal issues in house construction and mortgage, financial loans, auditing and inspection, industrial and commercial trade, system of taxation, natural resources, requisition of asset and other special legal topics and so on.

LLCL732 INTERREGIONAL CRIMINAL LAW

This course content includes: Transnational organized crime, emerging crimes and terrorism; International Criminal Law and International Humanitarian Law; International Criminal Jurisdictions and International Criminal Proceedings, Interstate Cooperation on Criminal Matters; and the Relationship between International Criminal Law and National Legislation.

LLCL733 MACAO CRIMINAL LAW

This course presents the general criminal legal system and special criminal legal system in Macao. It includes, special provisions of Criminal Law: Introduction to general theory of Special provisions, crimes against Macao SAR and crimes against state, alternative subject, Special part of Criminal Law, Criminology and so on.

LLCL734 PUBLIC PROSECUTION SYSTEM OF MACAO

This course presents the public prosecution system in Macao, such as its concepts, historical development, status, constitution, responsibility and liability of prosecutors, procedural issues and so on.

LLCL735 PUBLIC PROSECUTION SYSTEM OF EUROPE

This course presents the public prosecution system in Europe, such as its concepts, historical development, status, constitution, responsibility and liability of prosecutors, procedural issues and so on.

LLCL736 JUDICIAL SYSTEM OF HONG KONG

This course addresses the judicial system in Hong Kong, it includes basic legal concepts and principles in Hong Kong's law, such as the sources of law in Hong Kong, the rule of law, and the related regulations and systems in specific legal departments.

LLCL737 PUBLIC PROSECUTION SYSTEM OF TAIWAN

This course presents the public prosecution system in Taiwan, such as its concepts, historical development, status, constitution, responsibility and liability of prosecutors, procedural issues and so on.

LLCL738 PUBLIC PROSECUTION SYSTEM OF MAINLAND

This course presents the public prosecution system in Mainland, such as its concepts, historical development, status, constitution, responsibility and liability of prosecutors, procedural issues and so on.

LLCL739 PUBLIC PROSECUTION SYSTEM OF KOREA

This course presents the public prosecution system in Korea, such as its concepts, historical development, status, constitution, responsibility and liability of prosecutors, procedural issues

and so on.

LLCL740 PUBLIC PROSECUTION SYSTEM OF JAPAN

This course presents the public prosecution system in Japan, such as its concepts, historical development, status, constitution, responsibility and liability of prosecutors, procedural issues and so on.

LLCL741 ISSUES OF SPECIAL ADMINISTRATIVE REGION AND PUBLIC INTERNATIONAL LAW

I. History of international law and theories of international law; historical evolution of international law; compilation of international law; theoretical schools of international law.

II. Theories on the law of treaties and international treaties.

III. Theories on the subjects in international law; theories and practice of recognition and succession in international law.

IV. Issues in international law on Macao. China's Sovereignty and Macao Special Administrative Region. The differences between treaties signed by central government and Macao. The status of Macao SAR in international organizations.

V. International human rights law; development of international human rights law; influence of international human rights law on traditional international law.

VI. New development in contemporary law of the sea.

VII. Territorial air and the law of outer space.

VIII. Diplomatic law and consular law.

IX. Law on international organizations: the role of the United Nations, issues in amending the Charter of the United Nations, China and the United Nations and other international organizations.

X. Resolution of international disputes, analyses of judgment on cases by the United Nations International Court.

LLCL742 ECONOMIC AND TRADE LAW OF EUROPE

General Theories of Regional Economic Integration, Custom Unions of the EU, Free Movement of Persons within the EU, Freedom of Establishment and Services in the EU, European Monetary Union, Common Competition Rules of the EU, the EU Competences in Its External Economic and Trade Cooperation, Anti-Dumping and countervailing Rules of the EU, Safeguard Measures of the EU, Economic and Trade Relations between the EU and China as well as Macao.

LLCL743 CONTEMPORARY PROBLEMS IN INTELLECTUAL PROPERTY LAW

Characteristics of Intellectual Property Law, namely, intangibility, exclusivity, territorial, and time limits of rights, and the concept of copying. Afterwards, the course will focus on the rules of patents, trade marks and copyright.

LLCL744 CONTEMPORARY PROBLEMS IN INTERNATIONAL PRIVATE LAW

I. General theories of private international law (definitions, scope, origins, nature and history of private international law: subject of private international law, status of aliens in civil and commercial law, etc.). II. Conflict law (conflict of laws, rules of conflict law and application, applicable law and its determination: status and capacity of persons, act in law, agent, limitation, relationship of real right, relationship of intellectual property right, relationship of obligation, family relationship, relationship of succession and application of relevant laws). III. International unified substantial private law (general introduction to international unified substantial private law, international sale of goods, international cargo transportation, international insurance, international payment, international guarantee, international protection of intellectual property rights). IV. Resolution of international civil and commercial disputes (definitions of international civil and commercial disputes, ADR, international civil and commercial conciliation, international civil and commercial mediation, international commercial arbitration and international civil litigation).

LLCL745 PUBLIC POLICY ANALYSIS

This course aims at developing critical understanding of public policy, especially in the context of social justice. It will focus on the introduction and examination of policy analysis frameworks and decision theories. Examples will be drawn from China, Macao, and Hong Kong to demonstrate the process of policy analysis.

LLCL746 SCIENCE OF ADMINISTRATION: THEORY AND PRACTICE

This course is designed to introduce and review major development in the field of public administration, to acquaint students with the constitutional and legal basis of administration in public agencies, and to review the significance of ethical and legal accountability in the public sector. Specific topics include the structure of the public sector, classification of governments, organization of government, public policy-making, financial and personnel administration, and the relationship between administrators and the public.

LLCL747 CRIMINOLOGY AND CRIMINAL JUSTICE

This course is to familiarize students with the major issues in the field of criminology, i.e., various approaches to criminology, concepts of crime and law, theories of crime causation, types of crime, and the criminal justice system. In other words, we are studying the what, why and how of crime and justice. The course is characterized by class discussions, presentations, mini-lectures, guest lectures, field trips, videos, and a major research project.

LLCL748 LAW AND ECONOMICS

Headed by scholars from the University of Chicago, economists have moved into the areas of political science, sociology, and law since 1960 and have made important contributions to these disciplines. For his work in the area of political science, James Buchanan has been awarded the Nobel Prize, similarly for Becker for his work in sociology and for Case for his work in law. While economists have created and accumulated significant intellectual assets in these fields, they have produced the most important impact in the area of law. Law and Economics is now a well-established and thriving field of scholarship; there are now about a dozen professional journals devoted to this field. The proposed intensive course will discuss law and economics systematically and the inquiry will follow two parallel lines: one is to examine the analytical framework of economics and how it reaches the neighboring fields. The other is to illustrate how the economic approach can be fruitfully employed to study Civil Law. It is expected that enrolled students will attend all sessions and learn first-hand how the two different areas of economics and law can be connected, meaningfully and intellectually interestingly.

LLCL749 COMPARATIVE STUDY ON PUBLIC PROSECUTION SYSTEM OF THE EAST ASIA

Studies in the area of Public Prosecution Systems of the East Asia including Chinese Mainland, Hong Kong, Macao, Taiwan, South Korea and Japan in the view of the comparative law, focused on the topics of the role and the status of Prosecutors in the judicial system, especially in criminal suit, civil action (including labor lawsuit) and administrative proceedings.

LLCL750 SEMINARS ON MARITIME LAW

The course is designed to offer an opportunity to students to pursue further studies in the area of maritime law and shipping law. The course is taught in a seminar style, where contemporary legal issues and recent developments in the area of maritime law are discussed. Case study and class discussion are emphasized during the seminars. Special reference are to be made to Macao, Mainland China, Hong Kong, Taiwan and other neighboring economies, when appropriate.

LLCL751 SEMINARS ON CONTEMPORARY ISSUES OF WTO LAW

The course is designed to offer an opportunity to students to pursue further studies in the area of WTO law. The course is taught in a seminar style, where contemporary legal issues of WTO law, in particular those which may have significant implications to Macao, Mainland China, Hong Kong and Taiwan are analyzed and discussed. Students' participation in class discussions is

expected and encouraged.

LLCL752 SEMINARS ON CONTEMPORARY ISSUES OF INVESTMENT LAW

The course is designed to offer an opportunity to students to pursue further studies in the area of investment law, which is one of important subjects in legal studies today. The course is taught in a seminar style, where contemporary legal issues and important cases of foreign investment law are discussed. Some references are to be made, where appropriate, to those issues and new developments which are of special interests to students from the Greater China Area.

LLCL753 SEMINAR SERIES

This course is designed to encourage students to participate in seminars organized by the FLL to enrich their legal knowledge from a broad perspective. The seminar is regarded as being a 45 credit hour course. Students are required to attend a minimum of ten seminars organized by the FLL during an academic year. Each seminar is considered to be 3-hour session of class. 15 credit hours are allowed for students to do preparation before the seminar and self-study after the seminar. 50% of the assessment for the course is based on the attendance record, and the rest is based the paper submitted by students during the relevant academic year.

MASTER OF LAW IN EUROPEAN UNION LAW (English) & INTERNATIONAL AND COMPARATIVE LAW (English)

LLGC701 RESEARCH METHODOLOGY AND LEGAL WRITING SEMINAR

This course is designed to teach postgraduate students advanced legal research and writing skills. It is taught by a group of law professors mainly from the FLL. Depending on availability, high caliber legal academics from other law schools may also be invited to join the teaching team on a case by case basis. The course covers a wide range of topics of legal research and writing, such as jurisprudence, legal research methodologies, use of library resources, legal reasoning, preparation and writing of law journal articles, preparation and writing of LLM thesis, use of references, formality for legal writing, and critical legal thinking.

LLGC702 COMPARATIVE LEGAL SYSTEMS

This course includes aspects of both macro and micro-comparison, and introduction to the method of comparative law, based on its constituent elements and practical examples. It also yields an overview over the major contemporary legal systems, "legal traditions" or "legal families" throughout the world, including, for instance, the Roman-Germanic or Civil Law Systems, Common Law Systems and non-occidental Law Systems, with reference to the Far-East – Chinese and Japanese Law – as well as for the Religious Legal Systems – Islamic and Hindu Law. These will be presented with a special focus on their main features, essential historical elements and study of some of their most significant legal institutions and concepts.

SPECIALIZED COURSES

LLEL751 INSTITUTIONAL LAW OF THE EUROPEAN UNION

The European Union, the European Communities and their legal system. The objectives. The institutions and bodies and their powers. The judicial system. The sources and scope of Community law. The interpretation and application of Community law, including the application of Community law by the Members States. The relationship between Community domestic law of the Members States.

LLEL752 ECONOMIC LAW OF THE EUROPEAN UNION

The course aims to equip students with the specialist knowledge in the field of EU law related to the economy: fundamental freedoms, customs union, internal market, economic union, monetary integration, competition, trade restrictions, antitrust, state aid, public undertakings and services of general interest. The course also delves on the main vectors of European Union trade law: theoretical foundations, the rationale underpinning free trade; the need for Union regulation; the forms of regulation, focusing in particular on arguments concerning regulatory competition. It subsequently addresses the construction and evolution of EU's internal market, looking in particular at the four freedoms in light of the evolution of the European Court of Justice's case law.

LLEL753 EXTERNAL LAW AND POLICY OF THE EUROPEAN UNION

Introduction to the different policies of the European Union. General concept of common policies. Agricultural, commercial, industrial, social, transport, education and vocational training policy. The fiscal harmonization. Cultural policy. Policy for research and technological development. The economic and social co-operation. The development co-operation. The new areas: energy, civil protection and tourism. Historical development of the EU external policy before the Lisbon Treaty. The EU external policy, legal setting, institutional organisation and actions after the Lisbon Treaty.

LLEL754 CONTEMPORARY ISSUES IN INTERNATIONAL LAW

Contemporary legal issues arising in distinct fields of international law will be critically examined. Relevant norms and principles in a select set of topics will be introduced before contemporary issues are addressed. Possible topics include traditional and modern sources and subjects, treaties, sovereignty, immunities and privileges, statehood and territorial disputes, asylum and extradition, state responsibility, collective security and unilateral use of force, armed conflict and criminal jurisdiction, terrorism and human rights, dispute resolution and role of general principles in *lex specialis* like WTO law and environmental law. The contemporary issues will be examined in the light of recent judicial and arbitral decisions, regional developments and emerging state practices.

LLEL755 INTERNATIONAL ECONOMIC LAW

This course aims to critically examine contemporary legal issues in international economic relations. Specific topics related to the international economic order including the actors, principles, legal sources and economic organizations will be explored. International trade law will be addressed in detail and norms governing international monetary, banking and financial relations will be introduced. GATT and WTO regimes governing trade in goods, services, TRIPS, competition policy and dispute settlement will be studied along with its emerging jurisprudence. International monetary law and role of IMF will be briefly examined to analyze specific challenges. The international financial architecture will be introduced towards the end mainly focusing on relevant institutions like the World Bank, sovereign debts, and international regulations on banking and financial markets.

LLEL756 COMPARATIVE CONTRACT LAW

This course will offer a comparative study of contract law of major legal systems and some specific jurisdictions. The issues studied in a comparative perspective includes general principles of contract, formation, vitiating factors, exemption clauses, performance, discharge, breach, remedies and unification measures. Key differences between the common and civil law legal systems in governing contracts will be discussed. Specific jurisdictions will be chosen and the characteristics of the contract law will be examined and compared. It will also study major international efforts in harmonization of contractual principles and how far Asian jurisdictions have been responsive. A specific focus will be made on contract laws of Macao and Hong Kong SARs and relevant cases.

ELECTIVE COURSES

LLEL757 EU COMPETITION LAW

Basic concepts: market competition, economic activity, undertaking. Anti-competitive agreements: Article 101 TFEU, horizontal and vertical agreements, block exemptions. Abuse of dominant position: Article 102 TFEU, exclusionary and exploitative abuses. Merger control: EU Merger Regulation, substantive assessment, efficiency defense, merger remedies. Enforcement system: Regulation 1/2003, judicial control, public and private enforcement. Public undertakings and state aid measures.

LLEL758 EU ENVIRONMENTAL LAW

This course is about the main issues related to EU Environmental law, covering the following topics: history and evolution of EU Environmental Law; Environmental Law in EU Treaties; EU Environmental law principles; and some of the most important areas of EU Environmental Law, such as environmental impact assessment; assessment of the effects of certain plans and programmes on the environment; integrated pollution prevention and control; EU emissions allowance trading system for greenhouse gas; Community eco-management and audit scheme (EMAS).

LLEL759 EU NATURAL RESOURCES AND ENERGY LAW

The Treaty on the European Union (TEU) calls on the union to “help develop international measures to preserve and improve the quality of the environment and the sustainable management of global natural resources, in order to ensure sustainable development”. This course thus presents the legal rules relating to the management of natural resources and the security of energy supply against the backdrop of a high degree of environmental protection from a European perspective. It not only covers various natural resources, such as land, air, water, oil and gas but also explores new policies to exploit alternative or renewable sources of energy.

LLEL760 TREATY REFORMS IN THE EU

The European Union is based on the rule of law. Thus every action taken by the EU is founded on treaties that have been approved voluntarily and democratically by all EU member States. The course guides students towards a critical understanding of the founding treaties (Treaty of Paris, 1951, and Treaties of Rome, 1957), and the reforms in the Merger Treaty (1965), the budget treaties (1970, 1975), the Single European Act (1987), the Treaty of Maastricht (1992), the Treaty of Amsterdam (1997), the Treaty of Nice (2001), as well as the Constitutional Treaty (2004) and the Lisbon Treaty (2007).

LLEL761 FOREIGN INVESTMENT LAW

This course aims at equipping students with the requisite knowledge to deal intricate legal issues facing foreign investments. The concept as manifested in the form of portfolio and direct investment will be introduced along with relevant investment risks. The governing norms and principles in domestic laws (home and host state), bilateral treaties (BITs), multilateral (including WTO TRIMS) and regional instruments will be studied. The course will mainly focus on Investment arbitration including jurisdiction and applicable law issues in investment contracts and BITs, breach of treatment standards, actions constituting taking of foreign property, defenses and compensation. Investor-state investment disputes and institutional arbitration involving landmark cases will be examined specifically.

LLEL762 INTERNATIONAL CRIMINAL AND HUMANITARIAN LAW

Core substantive and procedural rules of international criminal law and basic concepts, principles and rules of international humanitarian law (IHL) will be introduced. The Rome Statute of the International Criminal Court (ICC), on the definition of substantive crimes, jurisdiction and the admissibility of cases, and principles of international criminal law will be studied. Students

will get an overview of different actors in the ICC and its criminal procedure. Concerning IHL, the course will first discuss the history and aims of IHL, its sources, and the notion of armed conflict. Secondly, it will set out the cardinal principles of IHL, with special emphasis on the principle of distinction. Finally, it will discuss the relation between IHL and international human rights law and international criminal law.

LLEL763 HUMAN RIGHTS AND REFUGEE LAW

This course aims to address the interaction between national, regional and international human rights protection and the protection of refugees. It will examine the framework on human rights protection, including the historical development of human rights, the sources and the different categories of human rights. Contemporary challenges facing international mechanism for protection of human rights will be examined. Human rights laws and institutions in selected jurisdictions, including Asia will be studied in a comparative perspective in order to examine national implementation of international norms. The jurisprudence in major landmark human rights cases and its implementation will be critically examined. Finally, the course identifies the legal issues and challenges concerning refugees and migration primarily across borders.

LLEL764 LAW OF INTERNATIONAL ORGANIZATIONS

The course aims to offer a deep understanding of the law related to international organisations. Since the substantive law differs from organisation to organization, the course first introduces some core concepts and principles which are common to international organisations, such as theory of international organisations, legal personality and the principle of functionality. The course will subsequently look into the specific legal systems of some representative global organisations, such as the UN and the WTO, and some selected regional organization, like the EU and ASEAN or co-operation alliances like the BRICS, G7/G8 and G20 to examine how the principles and theoretical concepts are applied in practice. Finally, the course will discuss inter-relations between inter-governmental organisations and the role of non-governmental organisations.

LLEL765 LEGAL CULTURE AND LEGAL PLURALISM

This course assesses the formation and development of law based on the history of European and Chinese legal cultures. Specific focus is made on continental legal systems. Topics include European ancient law (Hebrew law, Greek law, Roman law, etc.), European medieval law (Canonic law, Germanic law, Feudal law, Mercantile law, the revival of Roman law and the formation of common European law), modern European law after the Renaissance and the legal evolution of Western Europe after the French Revolution, namely the sources of contemporary European law. The course also examines the ancient and contemporary legal philosophy of China, legal history and culture in China. The course will also draw examples of unique legal cultures and legal pluralism from other jurisdictions like Japan and India.

LLEL766 COMMON LAW

This course will provide a comprehensive introduction to substantive common law and equity as developed in England and subsequently adopted in other jurisdictions like USA, Australia and Hong Kong. Common law and equitable remedies in specific fields like laws of trusts, contracts and torts and unique procedural elements like the writs and jury systems will be studied. Students will be trained in the judicial process using case studies and techniques of identifying ratio and obiter in binding precedents. The contemporary features of common law will be studied in a comparative perspective with the intent of training students from civil law jurisdictions to be able to interact with major common law systems in the world.

LLEL767 MARITIME AND SHIPPING LAW

The objective of this course is to foster a critical appraisal of private law issues arising in maritime transportation. Topics covered include carriage of goods by sea, maritime safety and liability and marine insurance. International legal instruments governing relevant issues and

specific national legislation and cases will be comparatively examined. The issues covered includes international sales and incoterms, carriage contracts and bill of lading, cargo claims, liability of carriers, security and limitation of liability, charter parties, maritime safety and navigation, salvage, towage and general average, multimodal transportation and marine insurance. The role of admiralty courts and maritime arbitration mechanism and relevant enforcement issues will be briefly introduced.

LLEL768 E-COMMERCE AND INFORMATION TECHNOLOGY LAW

Critical legal issues relating to information technology and its application in B2B and B2C business transactions will be addressed mainly in a trans-national context and in the light of the challenges arising in the borderless nature of the cyberspace. Issues covered includes jurisdiction and applicable law for online transactions, electronic contracts and agents, click-wrap agreements, intellectual property rights, electronic authentication and transactional security, virtual enterprises and domain names, online privacy and data protection, electronic payment systems and taxation, liability of online intermediaries, online consumer protection, cyber-crime and online dispute resolution. Due to the diversity and relative infancy of legal developments in the field, specific national laws and cases will be studied using comparative methods.

LLEL769 MOOTING

The mooting course is aimed at developing drafting and advocacy skills for students. The course will train the students in adversarial process to enable them to examine legal disputes, conduct legal research, and develop drafting, argumentative and rebuttal skills. The course is open to all students but the enrolment is subjected to a selection process. Selected students will be required to prepare and participate in mooting competitions like the Jessup International Law Moot Competition or other competitions. Students will analyze the moot problem, conduct legal research and draft written memorials according to the rules of the competition. The students will be trained for oral rounds and partake in regular practice moots.

LLIB724 INTRODUCTION TO MACAO LAW

This course covers key topics and features of the legal system of the Macao SAR. The themes may vary but normally should include discussions of the Basic Law and the autonomy of the Macao SAR, the political system, the protection of fundamental rights, and international law issues relevant for Macao. The discussions are contextual and take comparative law into account.

LLIB725 MACAO AND COMPARATIVE GAMING LAW

This course focuses especially on the commercial operation of casino games of chance (table games and slot machines) as regulated in the Macao SAR, the world's largest gaming jurisdiction. The course has an interdisciplinary nature and covers especially the history of gaming in Macao and various issues of administrative and tax law, contract law and criminal law. The course includes a detailed study of the regulation of gaming concessions and of gaming promoters. It also features a comparative element, by which the Macao system will be contrasted with the regulation of gaming in the two main jurisdictions in gaming other than Macao, which are Nevada and Singapore.

LLIB726 ADVANCED ISSUES OF INTERNATIONAL TRADE LAW

This course builds on the course on WTO and Regional Trade Law and proposes the discussion of selected, more advanced issues of contemporary relevance in the international trading community. It will thus strongly rely on the discussion of case law, i.e. particularly ongoing disputes of global and regional relevance, and will be based on the assignment of pertinent reading materials. Active class participation in the form of raising questions or partake in group discussions as well as class presentations will be equally given an important role.

LLIB727 ASIAN BUSINESS LAW

This course undertakes a comparative approach to the regulation of business in Asia. It first tries to assess possible particularities in the legal and business culture in Asia and focuses inter alia on the areas of commercial law, corporate law and business transactions, securities, intellectual property, and labor law issues. To this end, selected jurisdictions, such as those of the PRC, Japan and Korea but also others will be presented and discussed from a comparative and both public-private law perspective. The analysis includes the evaluation of national legal systems in the context of regional economic integration projects based on various bi-, tri- or plurilateral agreements.

LLIB728 COMPANY LAW

Based on the regulation of companies in Macao, focusing on private companies and public companies, this course discusses major trends of in company law and corporate governance. All major issues of company law will be covered, including fundamental concepts (types of companies; limited liability; capital maintenance), the creation of companies, the capital, the shares, the organs of companies, the rights and obligations of shareholders, and the dissolution and liquidation of companies.

LLIB729 LAW AND SOCIETY

Taking a multidisciplinary approach, this course deals with a wide set of contact points between law and society. These include first a retrospective look at the significance of various factors or causal elements fuelling the changes underlying the development of societies, such as the invention of new technologies amidst an evolving relationship between politics and economics. It then asks how these numerous changes will influence the processes underlying legal thinking and reasoning as well as the adoption, application, and enforcement of laws in the future. To this end, the discussion will also present new theoretical approaches in law, such as the “law and economics” movement or a political economic, as well as novel concepts, such as “global governance” or “global administrative law”, to try to identify new trends in the field of legal science.

LLIB730 INTELLECTUAL PROPERTY LAW IN THE CREATIVE ECONOMY

This course discusses the principal role and main characteristics of intellectual property rights in the context of the regulation of international trade in an emerging global creative economy. Taking into account the rise of a knowledge-based economy, which was accompanied by a rise in creativity, culture and technology, it covers the history and present status quo of the main intellectual property rights, such as copyright, trademarks, patents, geographical indications, and designs. The key international treaties, such as the Berne and Paris Conventions and notably the TRIPS Agreement adopted under the aegis of the World Trade Organization (WTO) will also be analyzed.

LLIB731 MONEY LAUNDERING AND ANTI-CORRUPTION LAW

This course discusses international trends and legal initiatives for the prevention and repression of corruption, money laundering and the financing of terrorism through the financial system. The discussion covers the international treaties relevant in the field, detailed substantive criminal law issues and the preventive measures required from financial institutions.

LLIB732 PRIVATE INTERNATIONAL LAW

This course focuses on Private International Law-provisions that are applicable in cross-border cases. These provisions may be set out in international treaty law, regional laws and domestic Private International Law. The first part deals with questions of jurisdiction, recognition and enforcement of civil and commercial matters, the second with the conflict rules that answer the question which will be the applicable law. The students will be accustomed with i.a. international conventions of which Macao is a contracting party, other regulations on Private International Law, and examples of domestic rules on Private International Law. Basic knowledge of private law (especially contracts & torts) and procedural law (jurisdiction, recognition and enforcement) are desirable.

LLIB733 CONSUMER PROTECTION LAW

This course enquires into the role of consumer protection law in the legal systems of contemporary societies. The inquiry includes a presentation of the laws and organizations at both the national and international level that are entrusted with the protection of the rights of consumers in their commercial transactions. Further issues discussed include the legal concept and definition of the consumer, contractual issues trying to ensure the protection of the weaker party through special contractual clauses, and the relationship and contact points with other legal areas, such as competition law, intellectual property law (e.g. trademarks), and product safety law.

LLIB734 COMMERCIAL CONTRACTS

This is a specialized contract law course covering various legal mechanisms to distribute goods and services, including the ICC Incoterms, the contract of carriage of goods by sea and the various payment mechanisms in international trade. The regulation of international trade agreements by the UN Convention on the International Sale of Goods will be addressed, along with the contracts used for the marketing of goods. The course will cover also various financial instruments and agreements involving banks, namely the term loan, the negative pledge, syndicated lending.

LLGC703 SEMINAR SERIES

This course will consist of a minimum number of 10 seminars offered by the Faculty of Law throughout the academic year featuring notably eminent visiting professors, practitioners or distinguished experts from a great variety of legal and professional backgrounds. Moreover, their active participation is encouraged and will be included in the final evaluation.

MASTER OF LAW IN INTERNATIONAL BUSINESS LAW (ENGLISH)**LLGC701 RESEARCH METHODOLOGY AND LEGAL WRITING SEMINAR**

This course is designed to teach postgraduate students advanced legal research and writing skills. It is taught by a group of law professors mainly from the FLL. Depending on availability, high caliber legal academics from other law schools may also be invited to join the teaching team on a case by case basis. The course covers a wide range of topics of legal research and writing, such as jurisprudence, legal research methodologies, use of library resources, legal reasoning, preparation and writing of law journal articles, preparation and writing of LLM thesis, use of references, formality for legal writing, and critical legal thinking.

LLGC702 COMPARATIVE LEGAL SYSTEMS

This course includes aspects of both macro and micro-comparison, and introduction to the method of comparative law, based on its constituent elements and practical examples. It also yields an overview over the major contemporary legal systems, "legal traditions" or "legal families" throughout the world, including, for instance, the Roman-Germanic or Civil Law Systems, Common Law Systems and non-occidental Law Systems, with reference to the Far-East – Chinese and Japanese Law – as well as for the Religious Legal Systems – Islamic and Hindu Law. These will be presented with a special focus on their main features, essential historical elements and study of some of their most significant legal institutions and concepts.

SPECIALIZED COURSES

LLIB721 TRANSNATIONAL LAW

The course offers a close look at the history of the *lex mercatoria*, its current status as well as the formation of various subcategories, such as a *lex petrolea* (oil law), a *lex maritima* (maritime law), *lex sportiva* (sports law), *lex electronica*, *lex digitalis* or a *lex informatica* (law governing information and communications technologies (ICT)). It will also discuss the related problems of economic sanctions and the practice of mixed public-private tribunals.

LLIB722 WTO AND REGIONAL TRADE LAW

This course addresses the regulation of international trade law in the wider context of general public international law. It focuses in particular on the multilateral trade agreements established under the World Trade Organization (WTO) as the successor of the 1947 General Agreement on Tariffs and Trade (GATT). Against the backdrop of the dynamics underlying economic integration at the global level, the course also includes a closer look at the increasing practice of Member states all around the world to negotiate regional trade agreements (RTAs), such as the North American Free Trade Agreement (NAFTA), the European Union (EU), the Asia Pacific Economic Cooperation (APEC), the Association of Southeast Asian Nations (ASEAN) or the Mainland and Macao Closer Economic Partnership Arrangement (CEPA).

LLIB723 DISPUTE RESOLUTION

This course deals with the characteristics of alternative dispute resolution (ADR) on the one hand and with arbitration on the other. The specific pros and cons of each instrument to settle disputes will be discussed. More specifically, different aspects of International Commercial Arbitration (ICA) will be highlighted, such as: The characteristics of ICA in practice, the arbitration agreement and the applicable Law, arbitrators and arbitration proceedings, and finally the effects and limits of arbitral awards. The students will be accustomed i.a. with the Brussels I-Regulation, the New York Convention on the Recognition and Enforcement of Foreign Arbitral Awards (1958), the European Convention on Commercial Arbitration (1961) and other sources.

ELECTIVE COURSES

LLIB724 INTRODUCTION TO MACAO LAW

This course covers key topics and features of the legal system of the Macao SAR. The themes may vary but normally should include discussions of the Basic Law and the autonomy of the Macao SAR, the political system, the protection of fundamental rights, and international law issues relevant for Macao. The discussions are contextual and take comparative law into account.

LLIB725 MACAO AND COMPARATIVE GAMING LAW

This course focuses especially on the commercial operation of casino games of chance (table games and slot machines) as regulated in the Macao SAR, the world's largest gaming jurisdiction. The course has an interdisciplinary nature and covers especially the history of gaming in Macao and various issues of administrative and tax law, contract law and criminal law. The course includes a detailed study of the regulation of gaming concessions and of gaming promoters. It also features a comparative element, by which the Macao system will be contrasted with the regulation of gaming in the two main jurisdictions in gaming other than Macao, which are Nevada and Singapore.

LLIB726 ADVANCED ISSUES OF INTERNATIONAL TRADE LAW

This course builds on the course on WTO and Regional Trade Law and proposes the discussion of selected, more advanced issues of contemporary relevance in the international trading community. It will thus strongly rely on the discussion of case law, i.e. particularly ongoing disputes of global and regional relevance, and will be based on the assignment of pertinent

reading materials. Active class participation in the form of raising questions or partake in group discussions as well as class presentations will be equally given an important role.

LLIB727 ASIAN BUSINESS LAW

This course undertakes a comparative approach to the regulation of business in Asia. It first tries to assess possible particularities in the legal and business culture in Asia and focuses *inter alia* on the areas of commercial law, corporate law and business transactions, securities, intellectual property, and labor law issues. To this end, selected jurisdictions, such as those of the PRC, Japan and Korea but also others will be presented and discussed from a comparative and both public-private law perspective. The analysis includes the evaluation of national legal systems in the context of regional economic integration projects based on various bi-, tri- or plurilateral agreements.

LLIB728 COMPANY LAW

Based on the regulation of companies in Macao, focusing on private companies and public companies, this course discusses major trends of in company law and corporate governance. All major issues of company law will be covered, including fundamental concepts (types of companies; limited liability; capital maintenance), the creation of companies, the capital, the shares, the organs of companies, the rights and obligations of shareholders, and the dissolution and liquidation of companies.

LLIB729 LAW AND SOCIETY

Taking a multidisciplinary approach, this course deals with a wide set of contact points between law and society. These include first a retrospective look at the significance of various factors or causal elements fuelling the changes underlying the development of societies, such as the invention of new technologies amidst an evolving relationship between politics and economics. It then asks how these numerous changes will influence the processes underlying legal thinking and reasoning as well as the adoption, application, and enforcement of laws in the future. To this end, the discussion will also present new theoretical approaches in law, such as the “law and economics” movement or a political economic, as well as novel concepts, such as “global governance” or “global administrative law”, to try to identify new trends in the field of legal science.

LLIB730 INTELLECTUAL PROPERTY LAW IN THE CREATIVE ECONOMY

This course discusses the principal role and main characteristics of intellectual property rights in the context of the regulation of international trade in an emerging global creative economy. Taking into account the rise of a knowledge-based economy, which was accompanied by a rise in creativity, culture and technology, it covers the history and present status quo of the main intellectual property rights, such as copyright, trademarks, patents, geographical indications, and designs. The key international treaties, such as the Berne and Paris Conventions and notably the TRIPS Agreement adopted under the aegis of the World Trade Organization (WTO) will also be analyzed.

LLIB731 MONEY LAUNDERING AND ANTI-CORRUPTION LAW

This course discusses international trends and legal initiatives for the prevention and repression of corruption, money laundering and the financing of terrorism through the financial system. The discussion covers the international treaties relevant in the field, detailed substantive criminal law issues and the preventive measures required from financial institutions.

LLIB732 PRIVATE INTERNATIONAL LAW

This course focuses on Private International Law-provisions that are applicable in cross-border cases. These provisions may be set out in international treaty law, regional laws and domestic Private International Law. The first part deals with questions of jurisdiction, recognition and enforcement of civil and commercial matters, the second with the conflict rules that answer the question which will be the applicable law. The students will be accustomed with i.a. international conventions of which Macao is a contracting party, other regulations on Private International Law,

and examples of domestic rules on Private International Law. Basic knowledge of private law (especially contracts & torts) and procedural law (jurisdiction, recognition and enforcement) are desirable.

LLIB733 CONSUMER PROTECTION LAW

This course enquires into the role of consumer protection law in the legal systems of contemporary societies. The inquiry includes a presentation of the laws and organizations at both the national and international level that are entrusted with the protection of the rights of consumers in their commercial transactions. Further issues discussed include the legal concept and definition of the consumer, contractual issues trying to ensure the protection of the weaker party through special contractual clauses, and the relationship and contact points with other legal areas, such as competition law, intellectual property law (e.g. trademarks), and product safety law.

LLIB734 COMMERCIAL CONTRACTS

This is a specialized contract law course covering various legal mechanisms to distribute goods and services, including the ICC Incoterms, the contract of carriage of goods by sea and the various payment mechanisms in international trade. The regulation of international trade agreements by the UN Convention on the International Sale of Goods will be addressed, along with the contracts used for the marketing of goods. The course will cover also various financial instruments and agreements involving banks, namely the term loan, the negative pledge, syndicated lending, securitisation and derivatives.

LLEL757 EU COMPETITION LAW

Basic concepts: market competition, economic activity, undertaking. Anti-competitive agreements: Article 101 TFEU, horizontal and vertical agreements, block exemptions. Abuse of dominant position: Article 102 TFEU, exclusionary and exploitative abuses. Merger control: EU Merger Regulation, substantive assessment, efficiency defense, merger remedies. Enforcement system: Regulation 1/2003, judicial control, public and private enforcement. Public undertakings and state aid measures.

LLEL758 EU ENVIRONMENTAL LAW

This course is about the main issues related to EU Environmental law, covering the following topics: history and evolution of EU Environmental Law; Environmental Law in EU Treaties; EU Environmental law principles; and some of the most important areas of EU Environmental Law, such as environmental impact assessment; assessment of the effects of certain plans and programmes on the environment; integrated pollution prevention and control; EU emissions allowance trading system for greenhouse gas; Community eco-management and audit scheme (EMAS).

LLEL759 EU NATURAL RESOURCES AND ENERGY LAW

The Treaty on the European Union (TEU) calls on the union to “help develop international measures to preserve and improve the quality of the environment and the sustainable management of global natural resources, in order to ensure sustainable development”. This course thus presents the legal rules relating to the management of natural resources and the security of energy supply against the backdrop of a high degree of environmental protection from a European perspective. It not only covers various natural resources, such as land, air, water, oil and gas but also explores new policies to exploit alternative or renewable sources of energy.

LLEL760 TREATY REFORMS IN THE EU

The European Union is based on the rule of law. Thus every action taken by the EU is founded on treaties that have been approved voluntarily and democratically by all EU member States. The course guides students towards a critical understanding of the founding treaties (Treaty of Paris, 1951, and Treaties of Rome, 1957), and the reforms in the Merger Treaty (1965), the

budget treaties (1970, 1975), the Single European Act (1987), the Treaty of Maastricht (1992), the Treaty of Amsterdam (1997), the Treaty of Nice (2001), as well as the Constitutional Treaty (2004) and the Lisbon Treaty (2007).

LLEL761 FOREIGN INVESTMENT LAW

This course aims at equipping students with the requisite knowledge to deal intricate legal issues facing foreign investments. The concept as manifested in the form of portfolio and direct investment will be introduced along with relevant investment risks. The governing norms and principles in domestic laws (home and host state), bilateral treaties (BITs), multilateral (including WTO TRIMS) and regional instruments will be studied. The course will mainly focus on Investment arbitration including jurisdiction and applicable law issues in investment contracts and BITs, breach of treatment standards, actions constituting taking of foreign property, defenses and compensation. Investor-state investment disputes and institutional arbitration involving landmark cases will be examined specifically.

LLEL762 INTERNATIONAL CRIMINAL AND HUMANITARIAN LAW

Core substantive and procedural rules of international criminal law and basic concepts, principles and rules of international humanitarian law (IHL) will be introduced. The Rome Statute of the International Criminal Court (ICC), on the definition of substantive crimes, jurisdiction and the admissibility of cases, and principles of international criminal law will be studied. Students will get an overview of different actors in the ICC and its criminal procedure. Concerning IHL, the course will first discuss the history and aims of IHL, its sources, and the notion of armed conflict. Secondly, it will set out the cardinal principles of IHL, with special emphasis on the principle of distinction. Finally, it will discuss the relation between IHL and international human rights law and international criminal law.

LLEL763 HUMAN RIGHTS AND REFUGEE LAW

This course aims to address the interaction between national, regional and international human rights protection and the protection of refugees. It will examine the framework on human rights protection, including the historical development of human rights, the sources and the different categories of human rights. Contemporary challenges facing international mechanism for protection of human rights will be examined. Human rights laws and institutions in selected jurisdictions, including Asia will be studied in a comparative perspective in order to examine national implementation of international norms. The jurisprudence in major landmark human rights cases and its implementation will be critically examined. Finally, the course identifies the legal issues and challenges concerning refugees and migration primarily across borders.

LLEL764 LAW OF INTERNATIONAL ORGANIZATIONS

The course aims to offer a deep understanding of the law related to international organisations. Since the substantive law differs from organisation to organization, the course first introduces some core concepts and principles which are common to international organisations, such as theory of international organisations, legal personality and the principle of functionality. The course will subsequently look into the specific legal systems of some representative global organisations, such as the UN and the WTO, and some selected regional organization, like the EU and ASEAN or co-operation alliances like the BRICS, G7/G8 and G20 to examine how the principles and theoretical concepts are applied in practice. Finally, the course will discuss inter-relationships between inter-governmental organisations and the role of non-governmental organisations.

LLEL765 LEGAL CULTURE AND LEGAL PLURALISM

This course assesses the formation and development of law based on the history of European and Chinese legal cultures. Specific focus is made on continental legal systems. Topics include European ancient law (Hebrew law, Greek law, Roman law, etc.), European medieval law (Canon law, Germanic law, Feudal law, Mercantile law, the revival of Roman law and the

formation of common European law), modern European law after the Renaissance and the legal evolution of Western Europe after the French Revolution, namely the sources of contemporary European law. The course also examines the ancient and contemporary legal philosophy of China, legal history and culture in China. The course will also draw examples of unique legal cultures and legal pluralism from other jurisdictions like Japan and India.

LLEL766 COMMON LAW

This course will provide a comprehensive introduction to substantive common law and equity as developed in England and subsequently adopted in other jurisdictions like USA, Australia and Hong Kong. Common law and equitable remedies in specific fields like laws of trusts, contracts and torts and unique procedural elements like the writs and jury systems will be studied. Students will be trained in the judicial process using case studies and techniques of identifying ratio and obiter in binding precedents. The contemporary features of common law will be studied in a comparative perspective with the intent of training students from civil law jurisdictions to be able to interact with major common law systems in the world.

LLEL767 MARITIME AND SHIPPING LAW

The objective of this course is to foster a critical appraisal of private law issues arising in maritime transportation. Topics covered include carriage of goods by sea, maritime safety and liability and marine insurance. International legal instruments governing relevant issues and specific national legislation and cases will be comparatively examined. The issues covered includes international sales and incoterms, carriage contracts and bill of lading, cargo claims, liability of carriers, security and limitation of liability, charter parties, maritime safety and navigation, salvage, towage and general average, multimodal transportation and marine insurance. The role of admiralty courts and maritime arbitration mechanism and relevant enforcement issues will be briefly introduced.

LLEL768 E-COMMERCE AND INFORMATION TECHNOLOGY LAW

Critical legal issues relating to information technology and its application in B2B and B2C business transactions will be addressed mainly in a trans-national context and in the light of the challenges arising in the borderless nature of the cyberspace. Issues covered includes jurisdiction and applicable law for online transactions, electronic contracts and agents, click-wrap agreements, intellectual property rights, electronic authentication and transactional security, virtual enterprises and domain names, online privacy and data protection, electronic payment systems and taxation, liability of online intermediaries, online consumer protection, cyber-crime and online dispute resolution. Due to the diversity and relative infancy of legal developments in the field, specific national laws and cases will be studied using comparative methods.

LLGC703 SEMINAR SERIES

This course will consist of a minimum number of 10 seminars offered by the Faculty of Law throughout the academic year featuring notably eminent visiting professors, practitioners or distinguished experts from a great variety of legal and professional backgrounds. Moreover, their active participation is encouraged and will be included in the final evaluation.

MASTER OF LAW IN LEGAL TRANSLATION

LLTS700 METHODOLOGY OF LEGAL RESEARCH

This subject will concentrate on developing the skills required to produce work of higher level research. Specifically, the course is aimed to deepen the analytical skills by writing and implementing a research methodology to legal problems, while observing ethical norms.

LLTS701 MACAO LAW

This course is concerned with a general knowledge of Macao Law, the basic principles, general theory and the core vocabulary of both substantive law and procedural law. The course examines legal methods and terminology. Students will understand better the importance of law in contemporary society along with the accurate translation of legal terminology.

LLTS702 LEGAL TRANSLATION

Historical evolution of the existence of one bilingual juridical system in Macao. Brief reference to the other bilingual juridical system. Approaches to the most important statutes relating to legal bilingualism. Juridical translation in Macao – experience and perspectives. Practical approach of juridical translation and bilingual production.

LLTS710 CONSTITUTIONAL LAW

Part I General Characterization of Constitutional Law. Chapter I – The Constitution in the pre-modern political and juridical scene. Chapter II - The Constitution in the modern political and juridical scene. Chapter III - The Constitution as fundamental juridical statute of the State -Political Community. Chapter IV - The Constituent Power. Chapter V - The Constitution as source of law. Chapter VI - Liberalism and democracy.

PART II - The Basic Law of Macao SAR. Chapter I – One country and two systems. Chapter II. Relationship between the Central authorities and Macao SAR. Chapter III. Fundamental rights and duties of the residents. Chapter IV. Political structure. Chapter V. Economy system Chapter VI. External affairs. Chapter VII. The interpretation and amendment of the Basic Law. Chapter VIII. The protection of the constitution and the control acts of power.

LLTS711 CRIMINAL LAW

Part I - General considerations. Chap. I. Nature of Criminal Law. 1. Scope, function and limits of Criminal Law. 2. The aim of the penalties. Penalties and security measures 3. Evolution of Criminal Law. Chap. II - The criminal law and its application 4. Sources of Criminal Law 5. The application of Criminal Law 6. Validity of Criminal Law.

Part II - General Theory of Criminal Infraction. Introduction: the constitutive elements of crime 7. Classification of the crimes 8. The general theory of crime 9. Type of offenses. Chap. I - The Types of criminal offenses 10. The elements of the "type" 11 . The objective attribution of the result to the behave 12. The criminal omissive behaviors. Chap. II - Type of justifications. 13. General principles 14. The singular justifying types. Chap. III - The type of guilty 15. The problem of guilt in Criminal Law 16. The malice type. The problem of the mistake 17. The negligence type 18. Obstacles to guilty. Non imputability, non exigibility. The non responsible lack of knowledge of the offense. Chap. IV - Special configurations of the crime 19. Attempt and frustration. "Iter criminis". The resistance 20. Complicity. Perpetration and accomplicity. Chap.V –Cumulation of offenses. Legal accumulation. Real accumulation. Cumulative crime.

LLTS712 ADMINISTRATIVE LAW I

Chap. I - Public administration 1. Public Administration. Concept and different meanings. 2. Historical evolution. 3. Administrative systems: comparison between the continental-European system and the British system. Chap. II - The administration and the Law 1. The principle of legality of Administration. Primacy of law and reservation for the Parliament (Legislative Power) the regulation of the principal matters (historical and modern meanings). 2. "Binding" (to the content of acts fixed by law) and "Discretionary" (cases that the legislator gives Administration the power to fix the content of its own acts). 3. The sources of Administrative Law: in special, the

administrative Regulations Chap. III – The Administrative Activity 1. The dispositive facts. Typology (in special, torts). 2. Administrative act. Concept and meaning. Typology. 3. Instrumental acts. 4. The administrative procedure. 5. Effectiveness and legal strength of the administrative act: the possibility of execution by Administration of its own acts. 6. The structure of administrative act: the subject, the object and the statute. 7. The defects of the administrative act. Types of invalidity. Chap. IV - The administrative justice. 1. Definition and scope of the administrative justice. 2. The problem of the administrative justice models. 3. The system of administrative justice in Macao. 4. Material and functional limits of the administrative justice. 5. The organs of the administrative justice. 6. The means to access to the administrative courts. 7. The processual requirements. 8. The tramitation of the administrative judicial processes. 9. The general principles of the administrative judicial process. 10. The judicial decisions and its effects.

LLTS713 ADMINISTRATIVE LAW II

Administrative Judiciary. I - The Principle of Separation of Powers. II - Delimitation of the concept of administrative judiciary or the administrative contentious proceeding. III - Administrative juridical relations that produce external effects as the object of the administrative contentious proceeding. IV – The established administrative judiciary system. V - The organization of administrative judiciary system – The models (in Macao and in Portugal). VI - The means for judicial protection of citizens before Public Administration. VII - Conditions for suing. VIII - Judicial process-regarding principles. IX – The contentious remedy for voidance of administrative acts (proceeding, decision and effects of decision). X -The suspension of the effects of the acts. XI - The judicial procedure for recognition of rights or legitimate interests.

LLTS714 GENERAL THEORY OF CIVIL LAW

Introduction. The general theory of the juridical relations: its meaning and limitations.

1. The civil juridical relation (the statics and the dynamics of the juridical relation): Notion of juridical relation: functional notion ("concept of interest") and structural notion ("concept of precept"). Study of the juridical relation as a structural precept, the statics: core of the juridical relation: a) the rights in a broad meaning. Types: The rights in a proper meaning and the rights to establish a change or terminate a legal relationship. Close concept: Legal faculties (primary and secondary) and legally protected expectations. Classes and types of rights. b) The legal duty and the submission. The external elements: parties, object, fact and warranty. Species, classes and types of juridical relations. Combinations of juridical relations (the patrimony theory). The Dynamics: main happenings in the life of a juridical relation: establishment and acquisition (primary and secondary), change and determination. Accidental happenings.

2. Persons. I - natural person's personality, subjectivity and legal capacity. Beginning of legal personality. Termination of legal personality. The protection of the personality. Legal capacity: Limitation on capacity (general and accidental) and the close concepts (illegitimacy). II - legal persons: Notion, elements, kinds, capacity, liability and termination.

3. The things.

4. The fact. Fact, act, and "negócio jurídico". Elements of the "negócio jurídico". Types of "negócio jurídico". The declaration of will. The interception of will. The interpretation. The perfection. The divergences and the vices of the will. The object. The representation of will. The accessory clauses. Integration, reduction and conversion of the "negócio jurídico". Invalidities.

LLTS715 OBLIGATION LAW

I. Introduction. The Obligation. The Rendering. Complex Obligational Relationship. The role of Obligation. Obligations and rights in rem. Systematic principles of Contracts Law. The principle of private autonomy; the principle of good faith, the principle of non-unjust enrichment.

II. Sources of obligations. Contracts. Unilateral acts. "Negotiorum Gestio". Unjust enrichment. Civil liability. Contractual responsibility. Extracontractual responsibility: torts, risk activities liability and responsibility for lawful acts.

III. Kind of obligations. About the lien: natural and civil obligations. About the parties: conjunctive obligations and joint and several obligations. About the object.

IV. Transmission of Obligations. Credit and Debits transmission. Credits assignment.

Subrogation. Single transmission of debts. Assignment of contractual position.
V. General Security of Obligations. Means for the maintenance of Patrimonial Security. Nullity declaration. Creditor subrogation over the debtor. "Pauliana" Opposition. Attachment.
VI. Special Security of Obligations. Personal and Real securities. Bonds. Guaranty.
VII. Fulfillment and Unfulfillment of Obligations. 7.1. Fulfillment. 7.2. Unfulfillment. Impossibility of fulfillment and default not concerning to the debtor. Unfulfillment and default attributable to the debtor. 7.3. Defective fulfillment. 7.4. Contractual set of creditor rights. 7.5. Coercive means for realization of rendering. 7.6. Property assignment. 7.7. Creditor default.
VIII. Causes of extinguishment of Obligations besides fulfillment.
IX. Contracts. Typical and No typical contracts. Mixed contracts and contracts in coalition
Enumeration and concise characterization of typical contracts ruled by Civil Code. Game and Bet.

LLTS716 PROPERTY LAW

Introduction. I - The real property rights in general: Definition - structural and functional perspective. Constitutive principles of "ius in rem" -1. Internal principles. External principles. Characteristics of real property rights. The great manners to order the ways of dominance. Types of "ius in rem". II – Possession (provisional order of dominance) Definition of possession. The greatest problems of possession. Possession systems. The system of Macao. Possession with cause and formal possession. Possession and mere detention. Rights that can be possessed. Things that can be possessed. Capacity for possess. Characteristics of possession. Acquisition of possession. Effects of possession a) the protection of the possession (the means for defend the possession). b) The adverse possession (usucapio). III - In special, real property rights (ius in rem) (definitive order of dominance). Real property rights of use - Property. Joint ownership. "horizontal" ownership - The usufruct - The use - Superficial right - Real servitudes.

LLTS717 FAMILY AND SUCCESSION LAW

Introduction. Legal conception of Family and Succession and the succession phenomenon. Family and Succession Law. Sources and constitutional principles. Characteristics of Family and Succession Law and characteristics of family and succession rights. II. Family relations. 2.1. Blood relations. Filiation. Filiation set. Maternity and Paternity set. 2.2. Affinity. 2.3. Adoption. 2.4. The marriage. Matrimonial systems. 2.5. Union in fact. III. The matrimonial relationship. 3.1. Constitution: the marriage as an act. 3.1.1. Civil marriage. 3.1.2. Catholic marriage. 3.2. Effects of marriage: the marriage as a "status". 3.2. 1. Personal effects. 3.2.2. Patrimonial effects. Marriage property systems. The administration of marriage property. Illegitimate acts. Liability for debts of the spouses. 3.2.3 Termination of the relationship. Distribution of community property. 3.3. Alterations in matrimonial status. Judicial separation of property and judicial separation of spouses and property. 3.4. Marriage termination. Causes of dissolution of Civil and Catholic marriage. The death. The divorce. IV. The succession. The death as a presupposition of the succession. Introduction to the different kind of succession. Heir and Legatee. Opening of Succession. Descent Calling. Descent Designation. Content of descent calling. Object of descent calling. Presuppositions of descent calling. Forms of descent calling. Indirect calling: right of representation, straight substitution, right of accretion. Vacant succession. Descent Acquisition. Inheritance acceptance. Inheritance rejection. Inheritance petition. Inheritance disposal. Inheritance charges. Inheritance distribution. V. Kinds of Succession. 5.1. Legal succession. 5.2. Legitimate succession. 5.3. Testate succession. 5.4. Contractual succession.

LLTS718 COMMERCIAL LAW

Introduction to commercial law. Merchants: commercial capacity, obligations, liability of married couple assets for commercial debts. The firm, Completion law; Unfair competition law. Commercial paper. Kinds of Negotiable Instruments. The legal regimen of the Bill of Exchange. The draw. The accept. The endorsement. The aval. Liability of the subscribers.

LLLP702 ADVANCED STUDY OF PUBLIC LAW (IN PORTUGUESE)

This subject focuses on the learning of terminology of public law in Portuguese language and provides an overview of the fundamental concepts and methodological questions of public law.

Topics of Public Law I mainly include Constitutional Law, Administrative Law and Criminal Law. The subject also includes analyses of court decisions concerning the above mentioned branches of law.

LLLP703 ADVANCED STUDY OF PRIVATE LAW (IN PORTUGUESE)

This subject focuses on the learning of legal language of private law in Portuguese language and provides an overview of the fundamental concepts and methodological questions of private law. Topics of Private Law mainly include Civil Law, Commercial Law and Labor Law. The subject also includes analyses of Court decisions concerning the above mentioned branches of law.

LLLP704 ADVANCED STUDY OF PUBLIC ADMINISTRATION AND CIVIL SERVICES

This subject mainly focuses on three parts:

- 1) Introduction to the administrative organization: general theory of administrative organization, models of administrative organization, and the administrative organization of the Macao Special Administrative Region (SAR).
- 2) Introduction to the public office: general theory on public office, legal relations of public office, admission to public office, types of employment in public office and disciplinary system of public office.
- 3) Legal practice of public administration and public office: major law and administrative rules and procedures.

LLLP705 DRAFTING OF BILINGUAL LAWS AND LEGAL TRANSLATION

This subject consists of three parts:

- 1) Discussion on bilingualism in law: starting from the historical development of legal bilingualism in Macao, examine briefly other systems of legal bilingualism and discuss main issues of legal bilingualism.
- 2) Translation and bilingual drafting: examine major issues and solutions.
- 3) Various practical issues in legal translation and bilingual law drafting.

LLLP706 NON-LITIGATION DISPUTE RESOLUTION (IN PORTUGUESE)

This course is mainly focuses on the extrajudicial processes such as arbitration, collaborative law, and mediation used to resolve conflict and potential conflict between and among individuals, business entities, governmental agencies, and (in the public international law context) states. It generally depends on agreement by the parties to use the Non-litigation dispute resolution, either before or after a dispute has arisen. It has experienced steadily increasing acceptance and utilization because of a perception of greater flexibility, costs below those of traditional litigation, and speedy resolution of disputes, among other perceived advantages.

LLLP707 BILINGUAL LEGAL WRITING (IN CHINESE AND PORTUGUESE)

This is a applicable course concentrating on the legal-technical written text of a wide range of proper textual along with glossaries specialized texts involving in both legal languages: power of attorneys, contracts, notifications and procedural articles, initial petition, contestation, cleansing dispatch and sentence.

TRSL714 CHINESE/PORTUGUESE TRANSLATION

This course involves the practice and critical discussion of translation from Chinese to Portuguese in a range of topic areas, in order to develop recognition of translation problems specific to this direction of translation, to develop strategies for dealing with them, and to construct data-bases relating to the lexicon and structure involved. Students will work alone, in pairs and in small groups.

TRSL715 PORTUGUESE/CHINESE TRANSLATION

This course involves the practice and critical discussion of translation from Portuguese to Chinese in a range of topic areas, in order to develop recognition of translation problems specific to this direction of translation, to develop strategies for dealing with them, and to

construct data-bases relating to the lexicon and structure involved. Students will work alone, in pairs and in small groups.

TRSL716 INTERPRETING I CHINESE/PORTUGUESE

This course will concentrate on basic interpreting skills as a basis for more advanced interpreting training. It will cover skills such as note taking, memory span improvement, sight translation and the basics of consecutive interpreting. Students will undertake practical training in the language laboratory.

Pre-requisite: Permission of the Coordinator of the Programme

TRSL717 INTERPRETING II CHINESE/PORTUGUESE

This course will work further with sight interpreting and consecutive interpreting, while advancing to simultaneous interpreting. The student will be exposed to a wide range of topic areas, including business, socio-political topics, and advances in science and technology. Students will undertake practical training in the language laboratory.

TRSL744 HISTORY, CULTURE AND TRANSLATION

This general introduction to the history of translation focuses on the long relationship between Chinese language and the Western European languages, and considers other translation traditions where relevant. The first part of the course examines the works, activities, and roles of important translators in history, with special reference to Macao's pivotal role in the history of translation. The second part of the course will look at the role of translation in the dissemination of knowledge, culture, law and trade.

Pre-requisite: Permission of the Coordinator of the Programme

TRSL755 TRANSLATION OF LEGAL TEXTS

This course is concerned with the translation of legal documents within the context of Macao Law, covering a wide range of document types, including informational documents, common legal documents, and specialized and technical documents such as, for example, contracts, and legal forms. Particular attention will be paid to translation problems associated with the legal text, including legal equivalence, terminology, register, structural layout.

Postgraduate Certificate in Law Programme

INTRODUCTION TO MACAO LAW PROGRAMMES

LLML601 PORTUGUESE LANGUAGE

Functional contents: those demanded by several situations of communication in different thematic areas such as Identification, Public Services, Social Relationships, the Weather, areas where the student will have, for example, to identify himself (or ask for identification), introduce himself (or introduce someone), invite, excuse, inform (or get informed), approve, disapprove, ask permission or give permission, express attitude, feelings... The grammatical contents will depend on the studied linguistic achievements. The use of the most frequent verbal sentences such as to be, to stay and to have. The occurrence of verbal sentences with prepositions (to live in, to like to, to go to...). The expression of opinions in situations that the use of sentences with the indicative is necessary. The expression in the future time. The pronouns and the numerals necessary to the communication. Direct and indirect speech Understanding/systematization of some different data in Portuguese/Chinese. All the items shall be accomplished together with activities, namely those that will give the student the opportunity to distinguish the phonetical traces of Portuguese language.

LLML602 LEGAL LANGUAGE

Legal language: Basic legal concepts. Legal logic. Judicial syllogism. Critique of legal language. Analysis of court decision. Fundamental legal documents legal procedure. Legal translations. Legislations. Legislative process and formalities.

LLML603 HISTORY OF MACAO

This course intends to familiarize students with the political, economic, and social history of Macao so that they can better understand what is happening today. We will examine the political and economic transformations of Macao over the past 450 years, the clash or cooperation of civilizations, religious life of people both Chinese and Portuguese, literature and art of and about Macao, and social issues and problems in Macao. By the end of the class, students should have a very good idea of Macao's past, present, and future

LLML604 LEGAL HISTORY OF MACAO

The course mainly addresses the historical evolution of political system of Macao. Part I: The political System of the Period of Internal Autonomy of Portuguese Residents (1557-1843). Part II: The political system of the period of overseas's province including Timor and Solor (1844-1895). Part III: The political system of Macao as a single overseas's province (1896-1975): The Period of Granting Autonomy of Colony (1896-1930), the 1995' Statute of Macao Province and 1963 and 1972' Political and Administrative Statute of Macao Province Part IV: The political system before and after the transition of power (1976-2005).

LLML605 GENERAL THEORY OF CIVIL LAW

Introduction. The general theory of the juridical relations: its meaning and limitations.

1. The civil juridical relation (the statics and the dynamics of the juridical relation): Notion of juridical relation: functional notion ("concept of interest") and structural notion ("concept of precept"). Study of the juridical relation as a structural precept, the statics: core of the juridical relation: a) the rights in a broad meaning. Types: The rights in a proper meaning and the rights to establish, a change or terminate a legal relationship. Close concept: Legal faculties (primary and secondary) and legally protected expectations. Classes and types of rights. b) the legal duty and the submission. The external elements: parties, object, fact and warranty. Species, classes and types of juridical relations. Combinations of juridical relations (the patrimony theory). The Dynamics: main happenings in the life of a juridical relation: establishment and acquisition (primary and secondary), change and determination. Accidental happenings.

2. Persons. I - natural persons personality, subjectivity and legal capacity. Beginning of legal personality. Termination of legal personality. The protection of the personality. Legal capacity: Limitation on capacity (general and accidental) and the close concepts (illegitimacy). II - legal persons: Notion, elements, kinds, capacity, liability and termination.

3. The things.

4. The fact. Fact, act, and "negócio jurídico". Elements of the "negócio jurídico". Types of "negócio jurídico". The declaration of will. The interception of will. The interpretation. The perfection. The divergences and the vices of the will. The object. The representation of will, The accessory clauses. Integration, reduction and conversion of the "negócio jurídico". Invalidities.

LLML606 CONSTITUTIONAL LAW

PART I GENERAL CHARACTERIZATION OF CONSTITUTIONAL LAW. Chapter I - The Constitution in the pre-modern political and juridical scene. Chapter II - The Constitution in the modern political and juridical scene. Chapter III - The Constitution as fundamental juridical statute of the State - Political Community. Chapter IV - The Constituent Power. Chapter V - The Constitution as source of law. Chapter VI - Liberalism and democracy.

PART II - The Basic Law of Macao SAR. Chapter I - One country and two systems. Chapter II. Relationship between the Central authorities and Macao SAR. Chapter III. Fundamental rights and duties of the residents. Chapter IV. Political structure. Chapter V. Economy system Chapter VI. External affairs. Chapter VII. The interpretation and amendment of the Basic Law. Chapter VIII. The protection of the constitution and the control acts of power.

LLML607 CRIMINAL LAW

Part I - General considerations. Chap. I. Nature of Criminal Law. 1. Scope, function and limits of Criminal Law. 2. The aim of the penalties. Penalties and security measures 3. Evolution of Criminal Law. Chap. II - The criminal law and its application 4. Sources of Criminal Law 5. The application of Criminal Law 6. Validity of Criminal Law.

Part II - General Theory of Criminal Infraction. Introduction: the constitutive elements of crime 7. Classification of the crimes 8. The general theory of crime 9. Type of offenses. Chap. I - The Types of criminal offenses 10. The elements of the "type" 11. The objective attribution of the result to the behavior 12. The criminal omissive behaviors. Chap. II - Type of justifications. 13. General principles 14. The singular justifying types. Chap. III - The type of guilty 15. The problem of guilt in Criminal Law 16. The malice type. The problem of the mistake 17. The negligence type 18. Obstacles to guilty. Non imputability, non exigibility. The non responsible lack of knowledge of the offense. Chap. IV - Special configurations of the crime 19. Attempt and frustration. "Iter criminis". The resistance 20. Comparticipation. Perpetration and accomplicity. Chap. V - Cumulation of offenses. Legal accumulation. Real accumulation. Cumulative crime.

LLML608 PUBLIC INTERNATIONAL LAW

1. Conception and nature of Public International Law.
2. Sources of Public International Law: Treaties and customs.
3. The State: Elements of the State, the Recognition of State, Succession of states, Rights and Duties of the State.
4. International Organizations: definition and types. The UN.
5. The individuals in Public International Law: nationality and juridical statute of the foreigners.
6. Diplomatic and Consular relations Law.
7. The pacific resolution of the international conflicts: political resolution and juridical resolution of the international conflicts.
8. Problems of Public International Law about Macao. 8.1. The Sino-Portuguese Joint Declaration, 8.2. The capacity of Macao's Special Administrative Region in matters related with external affairs, according to the Basic Law of Macao SAR.

LLML609 ADMINISTRATIVE LAW I

Chap. I - Public administration 1. Public Administration. Concept and different meanings. 2. Historical evolution. 3. Administrative systems: comparison between the continental-European system and the British system.

Chap. II - The administration and the Law 1. The principle of legality of Administration. Primacy of law and reservation for the Parliament (Legislative Power) the regulation of the principal matters (historical and modern meanings). 2. "Binding" (to the content of acts fixed by law) and "Discretionary" (cases that the legislator gives Administration the power to fix the content of its own acts). 3. The sources of Administrative Law: in special, the administrative Regulations.

Chap. III - The Administrative Activity 1. The dispositive facts. Typology (in special, torts). 2. Administrative act. Concept and meaning. Typology. 3. Instrumental acts. 4. The administrative procedure. 5. Effectiveness and legal strength of the administrative act: the possibility of execution by Administration of its own acts. 6. The structure of administrative act: the subject, the object and the statute. 7. The defects of the administrative act. Types of invalidity.

Chap. IV - The administrative justice. 1. Definition and scope of the administrative justice. 2. The problem of the administrative justice models. 3. The system of administrative justice in Macao. 4. Material and functional limits of the administrative justice. 5. The organs of the administrative justice. 6. The means to access to the administrative courts. 7. The processual requirements. 8. The tramitation of the administrative judicial processes. 9. The general principles of the administrative judicial process. 10. The judicial decisions and its effects.

LLML610 PUBLIC ADMINISTRATION

I. Organizations of public administration: concept of public administration, complex of public administration, introduction to organizations of public administration, the public administration organization of Macao SAR, the legal system of public functionaries of Macao.

II. The legal relations of the legal system of public functionaries general introduction, subjects of legal relations, fact of legal relation, objects of legal relations, alternation of legal relation and termination of legal relations.

LLML611/LLML612 LEGAL LANGUAGE (PORTUGUESE)

Legal language: Basic legal concepts. Legal logic. Judicial syllogism. Critique of legal language. Analysis of court decision. Fundamental legal documents legal procedure. Legal translations. Legislations. Legislative process and formalities.

LLML621 PUBLIC ECONOMIC LAW

The meaning of Public Economy - Financial Activity of State: Expenses, Revenues and Budget. Economic Activity of State: Characterization of Public Economic activity and the Enterprise activity of State - Public Revenues - Public Expenses - Public Budget - Financial Policy problems.

LLML622 CRIMINAL PROCEDURE LAW

Part I. Legal consequences of the crime. 1. The legal consequences of the crime and the criminal penalty. 2. The reaction to crime of the criminal law in force in Macao in the context of the criminal policy models. 3. Preliminary penalties, a) Primary penalties and secondary penalties. b) The substitution penalties in the system in force in Macao. 4. The imprisonment penalty and the fine. 5. The general theories on the determination of the penalty. 6. Steps on the determination of the penalty. a) Mitigation circumstances and aggravity circumstances. b) The criterium of the article 84 of the criminal code. c) Judicial determination of the penalty. Part II - Criminal Procedure. 1. Meaning and the aim of the criminal procedure law. 2. Place of the criminal procedure law in the legal system. 3. The application of the criminal procedure law. 4. General principles of the criminal procedure. 5. Injunctions. 6. Evidence in the criminal procedure. 7. The forms of the criminal procedure. 8. The inquiry. 9. The instruction. 10. The trial. 11. The appeals in the criminal procedure.

LLML623 OBLIGATION LAW

I. Introduction. The Obligation. The Rendering. Complex Obligational Relationship. The role of Obligation. Obligations and rights in rem. Systematic principles of Contracts Law. the principle of private autonomy; the principle of good faith, the principle of non unjust enrichment. II. Sources of obligations. Contracts. Unilateral acts. "Negotiorum Gestio". Unjust enrichment. Civil liability. Contractual responsibility. Extracontractual responsibility: torts, risk activities liability and responsibility for lawful acts. III. Kind of obligations. About the lien: natural and civil obligations. About the parties: conjunctive obligations and joint and several obligations. About the object. IV. Transmission of Obligations. Credit and Debits transmission. Credits assignment. Subrogation. Single transmission of debts. Assignment of contractual position. V. General Security of Obligations. Means for the maintenance of Patrimonial Security. Nullity declaration. Creditor subrogation over the debtor. "Pauliana" Opposition. Attachment. VI. Special Security of Obligations. Personal and Real securities. Bonds. Guaranty. VII. Fulfilment and Unfulfilment of Obligations. 7.1. Fulfilment. 7.2. Unfulfilment. Impossibility of fulfilment and default not concerning to the debtor. Unfulfilment and default attributable to the debtor. 7.3. Defective fulfilment. 7.4. Contractual set of creditor rights. 7.5. Coercive means for realization of rendering. 7.6. Property assignment. 7.7. Creditor default. VIII. Causes of extinguishment of Obligations besides fulfilment. IX. Contracts. Typical and No typical contracts. Mixed contracts and contracts in coalition Enumeration and concise characterisation of typical contracts ruled by Civil Code. Game and Bet.

LLML624 PROPERTY LAW

Introduction. I - The real property rights in general: Definition - structural and functional perspective. Constitutive principles of "ius in rem" -1. Internal principles. External principles. Characteristics of real property rights. The great manners to order the ways of dominance.

Types of "ius in rem". II - Possession (provisional order of dominance) Definition of possession. The greatest problems of possession. Possession systems. The system of Macao. Possession with cause and formal possession. Possession and mere detention. Rights that can be possessed. Things that can be possessed. Capacity for possess. Characteristics of possession. Acquisition of possession. Effects of possession a) The protection of the possession (the means for defend the possession). b) The adverse possession (usucapio). III - In special, real property rights (ius in rem) (definitive order of dominance). Real property rights of use - Property. Joint ownership. "horizontal" ownership - The usufruct - The use - Superficial right - Real servitudes.

LLML625 CIVIL PROCEDURE LAW I

I. Introduction, Procedure and Processual Law. Jurisdiction and jurisdictional function. General frame of the action in civil jurisdiction. Civil Procedure Law.

II. The action. The right to a legal action. Legal classification of the actions: according to their goal, according to their form. Interlocutory injunctions.

III. Civil Procedure Law. Concept. Features. Importance. Interpretation and integration. Application in time. Application in space.

IV. Sources of the Portuguese Civil Procedure Law and close Disciplines. Historical evolution.

V. Theory of the Procedural Relation. The instance as a procedural relation. The structure of procedural relation. 1. The subjects. 1.1 The parties. Procedural requisites concerning the parties. Judiciary personality. Judiciary capacity. Legitimization. Compulsive representation by an attorney at law. Special mention to Macao. The procedural interest. 1.2. The court. The judicial organization. Jurisdiction. 2. The object. The claim and the cause of action.

VI. The procedural act. Concept. Form. Time. Place. Parties. Goal. Pathology.

VII. Dynamics of the procedural Relation. The bringing of a suit. Development of the instance. Modifications. Suspension and interruption. Conclusion. Incidents.

VII I. Formalities of the Ordinary Declaratory Process. Phases. 1. Articulated pleading. Declaration. "In limine" Order. Service of process. The Answer: Defensive-answer. Counterclaim-answer. The Replication. The Rejoinder. Supervening articulated pleadings. 2. Healing and Abridgement. Preparatory hearing. Curative decision. Specification and Questionnaire. 3. The instruction. The evidences in general. Material probative law. Formal probative law. The burden of proof. Fundamental principles. Means of proof. 4. Trial. Final hearing. 5. Final decision. "Res judicata".

IX. Formalities of the Summary Declaratory Process

X. Judicial Organization of Macao. Comparative perspective.

LLML626 ADMINISTRATIVE LAW II

Administrative Judiciary. I - The Principle of Separation of Powers. II - Delimitation of the concept of administrative judiciary or the administrative contentious proceeding. III - Administrative juridical relations that produce external effects as the object of the administrative contentious proceeding. IV - The established administrative judiciary system. V - The organization of administrative judiciary system - The models (in Macao and in Portugal). VI - The means for judicial protection of citizens before Public Administration. VII - Conditions for suing. VII I - Judicial process-regarding principles. IX - The contentious remedy for voidance of administrative acts (proceeding, decision and effects of decision). X - The suspension of the effects of the acts. XI - The judicial procedure for recognition of rights or legitimate interests.

LLML627 FAMILY AND SUCCESSION LAW

I. Introduction. Legal conception of Family and Succession and the succession phenomenon. Family and Succession Law. Sources and constitutional principles. Characteristics of Family and Succession Law and characteristics of family and succession rights.

II. Family relations. 2.1 . Blood relations. Filiation set. Maternity and Paternity set. 2.2. Affinity. 2.3. Adoption. 2.4. The marriage. Matrimonial systems. 2.5. Union in fact.

III. The matrimonial relationship. 3.1 . Constitution: the marriage as an act. 3.1.1. Civil marriage. 3.1.2. Catholic marriage. 3.2. Effects of marriage: the marriage as a "status". 3.2. 1 . Personal effects. 3.2.2. Patrimonial effects. Marriage property systems. The administration of marriage property. Illegitimate acts. Liability for debts of the spouses. 3.2.3 Termination of the relationship.

Distribution of community property. 3.3. Alterations in matrimonial status. Judicial separation of property and judicial separation of spouses and property. 3.4. Marriage termination. Causes of dissolution of Civil and Catholic marriage. The death. The divorce.

IV. The succession. The death as a presupposition of the succession. Introduction to the different kind of succession. Heir and Legatee. Opening of Succession. Descent Calling. Descent Designation. Content of descent calling. Object of descent calling. Presuppositions of descent calling. Forms of descent calling. Indirect calling: right of representation, straight substitution, right of accretion. Vacant succession. Descent Acquisition. Inheritance acceptance. Inheritance rejection. Inheritance petition. Inheritance disposal. Inheritance charges. Inheritance distribution.

V. Kinds of Succession. 5.1 . Legal succession. 5.2. Legitimate succession. 5.3. Testate succession. 5.4. Contractual succession.

LLML628 COMMERCIAL LAW

Introduction to commercial law, Merchants: commercial capacity, obligations, liability of married couple assets for commercial debts. The firm, Competition law; Unfair competition law. Commercial paper. Kinds of Negotiable Instruments. The legal regimen of the Bill of Exchange. The draw. The accept. The endorsement. The aval. Liability of the subscribers.

LLML629 PRIVATE INTERNATIONAL LAW

I - 1. On the dogmatic object of Private International Law structure (types of) private international relations. 2. The debate on method: comparison between the American methodological perspective on PIL and the classical European approach. 3. General interests or regulation values. 4. General theory of the conflict rule and determination of its functional limits 4.0. Structure and function of the conflict rule in PIL, 4.1. Classification 4.2. Renvoi (remission/transmission). 4.3. The principle of "vested rights", 5. The eviction of foreign law: the undetermined general clause of public policy ("ordre public"). 6. The "fraus legis" in Private International Law, Recognition of foreign sentences.

II - 1. The specific relevance of personal law in Private international Law. 2. The historical evolution of Private International Law and the progressive autonomy of the problems on the determination of personal law. 3. General interests of PIL and its projection on the conflict of laws concerning personal matters: the protection of the principle of unity in this area. 4. The relevance of the developing comparative analysis on the matter. 5. Marriage in PIL: the distinct importance of the contractual dimension and of the institutional one. 6. Divorce and separation by law in PIL. 7. Legitimacy, legitimization and adoption and determination of the structure of family relations by those means constituted. 8. Succession law in PIL.

LLML630 NOTARY AND REGISTRAL LAW

I. Concept: 1. The structure and function of registry and notary agencies of Macao SAR. 2. The similar organs and functional difference. 3. The common perspectives of public administration with private interest: Prevention of conflict as an indispensable contribution in administration of justice.

II. The statute law of registry and notary : 1 . Organic law. 2. Law codes. 3. Separate legislation.

III. Law of civil registry.1 . Concept and scope. 2. Theory and practice.3. Principle of information.

IV. Law of Registry of House. 1. Concept and scale 2. Theory and practice. 3. Principle of information 4. Commercial registry and registry of automobiles, ships and airplanes.

V. Notary Law. 1. Concept and scope. 2. Theory and practice. 3. Principle of information.

LLML631 CIVIL PROCEDURE LAW II

Executory action. I. General Theory of the executory action. Concept and goals. The legal classification. II. Procedural requisites of the executory action. 1. Specific requisites. Formal and substantial requisites. The executory document. Legal nature. Historical evolution. Classification Consequences of the lack of executory document or of its non-execution. Certainty and exigibility of the debt: The liquidated debt. 2. General requisites of the executory action. International and internal jurisdiction. Formal legitimization. Compulsive representation by and attorney at the Law. III. Forms of the executive process. Legal form of the different species and

forms of execution. IV. The phases of the executive process. 1. Ordinary executive process for the payment of a right amount. Phases: Articulates. Initially pleading. "in limine" decision. Service of process. Opposition. Attachment: definition, object, cases of withdrawing from execution and forced sale. Opposition to the attachment. Finding. Concurrence of creditor claims. Reclamation and verification of claims. Proceeding. Payment. Forms of payment. Termination of the execution. Voidance and renovation of the executory action. 2. Summary executive process for the payment of a right amount. 3. Common executive process for delivery of determinated thing. Ordinary and summary processes. 4. Common executive process for rendering a certain fact positive or negative. Ordinary and summary processes.

LLML632 THE JUDICIAL AND LEGAL PROFESSION

Part I. 1. Administration of justice: Generality. 2. Organs exercising jurisdictional function. 3. Classification of courts. 4. Hierarchy of courts. 5. Principle regulating administration of justice 6. The relevant statute laws. 6.1. The Basic Law of Macao SAR. 6.2. The Basic Law of Judicial Organization. 6.3. Civil Procedural Code.

Part II. - Litigation Practice. 1. The judicial protection in Macao SAR. 2. Legal profession. 3. Judicial mandate. 4. The organs and entities with specific function of this area. 5. The relevant statute laws. 5.1. The Basic Law of Macao SAR. 5.2. The Basic Law of Judicial Organization. 5.3. The statute of lawyers and the relevant moral and disciplinary regulations.

LLML633 LEGAL LANGUAGE (PORTUGUESE AND CHINESE)

Legal language: Basic legal concepts. Legal logic. Judicial syllogism. Critique of legal language. Analysis of court decision. Fundamental legal documents legal procedure. Legal translations. Legislations. Legislative process and formalities.

BACHELOR OF LAW (in Chinese Language) & BACHELOR OF LAW (in Chinese and Portuguese) Programme

LAWS110/LAWS151 GENERAL THEORY OF CIVIL LAW I

Title I. Introduction. 1. General concepts of civil law. 2. Preliminaries.

Title II. General theory of the civil juridical order. Chapter I. Sources of civil law. Chapter II. Fundamental principles of civil law.

Title III – General theory of the civil juridical relationship. Chapter I. General theory of the individuals of the juridical relationship. 1. General concepts. 2. Natural persons. 3. Legal persons. Chapter II. General theory of the object of the juridical relationship. 1. General concepts. 2. Things and patrimony.

LAWS112/LAWS150 INTRODUCTION TO LAW

Title I. The concept of Law. Chapter I. The Law as part of the whole social order. 1. The Law and other normative orders. 2. The religion. 3. The ethic. 4. The social behavior.

Title II. The aims or values of the Law. Chapter I. Justice and security.

Title III. The structure of the Law. Chapter I. The rule of Law.

Title IV. Sources of Law. Chapter I. voluntary sources of Law and non-voluntary sources of Law.

Title V. Interpretation of the Law. Chapter I. Types of interpretation. 1. Elements of interpretation. 2. Results of the interpretation. Chapter II. Integration of the gaps in the Law. 1. Analogy. 2. Creation of a ad hoc rule.

LAWS113 LEGAL HISTORY

Title I. Chapter I. Legal thoughts in traditional Chinese society. 1. Divine Law 2. Patriarchal law 3. Confucianism. 4. Legalism. Chapter II. Legal and political thoughts in Modern China. Chapter III.

1. Legal History of Macao. 1.1 Introduction. 1.2 Specificity and sources of law of overseas Portuguese territories. 1.3 Law and justice. 1.3.1. Portuguese law and local laws, scope of application. 1.3.2 Indigenous law and the mixed relations. 1.3.3 Legal pluralism and mixed jurisdiction in Macao. 1.3.4. Judicial organization of Macao.

Title II. Chapter I. Introduction. 1. Social history of law. Chapter II. The formation of the Common Law. 1. The Roman Law. Sources: (Corpus Iuris Civilis). General Characteristics of the Praetor's Law. The evolution of Roman law until the imperial constitutions. *vulgarrecht*. 2. Legal pluralism. The role of legal thought in the formation and evolution of the common law. The glossators, commentators, *mos gallicus iura docendi*, *usus modernus pandectarum* and naturalists. Chapter III. Philosophy of Law. 1. Legal positivism, legal, historical, sociological and conceptual. 2. Pure theory of law and the right alternative use.

LAWS114/LAWS153 CONSTITUTIONAL LAW

Title I. General notions of Constitutionalism. Chapter I. Constitution as legal statute of politics. 1. The autonomy of public sphere. 2. State as a political form of modernity. 3. The crisis of State: regionalism and globalization. Chapter II. From Constitutionality to Inter-constitutionality. 1. The hierarchical and normative scheme of the constitution of the supervising state. 2. The binding inter-constitutionality of the supervised State. 3. Democracy and rule of law. Chapter III. Comparative Constitutional Law. 1. The Portuguese constitutional experience. 2. The Chinese constitutional experience. 3 The evolution of Macao autonomic status.

LAWS115/LAWS154 MACAO BASIC LAW

Title I. The Basic Law of the SARM. Chapter I. Characterizing the SARM. 1. SARM as a political region. 2. Scope of autonomy of SARM. 3. SARM's political system. Chapter II. Purposes of Basic Law. 1. Theories on the purposes of Basic Law. 2. Art. 31 of the CPRC and its double task. 3. Luso-Chinese joint-declaration. Chapter III. Legal nature of the Basic Law. 1. Ideas on the legal nature of the Basic Law. 2. Basic Law as an ordinary legal norm. 3. Basic Law as statutory legal norm. 4. Basic Law as a reinforced legal norm. 5. Basic Law as a material constitutional legal norm. Chapter IV. Guaranty of the Basic Law. 1. Interpretation of the Basic law. 2. Guaranty of the reinforced value of the Basic Law. 3. Limits to revision of the Basic Law.

LAWS116/LAWS155 PUBLIC INTERNATIONAL LAW

1. Concept and nature of Public International Law. 2. Relationship between International and Domestic Law. 3. Sources of Public International Law: treaties and customary norms. 4. International Legal Personality. 5. The State: elements of the State, the recognition of State, succession of states, rights and duties of the State. 6. International Organizations: definition and types. The United Nations. 7. Diplomatic and Consular relations Law. 8. The pacific resolution of the international conflicts. 9. Individuals in Public International Law. 10. Application of Public International Law to Macao.

LAWS120/LAWS152 GENERAL THEORY OF CIVIL LAW II

Title I. General theory of the civil juridical relationship (cont.). Chapter I. General theory of the juridical fact. 1. About juridical facts in general: concepts and classifications; acquisition, modification and extinction of juridical relationships; juridical transaction and simple juridical act. 2. Transactional declaration: general concepts; interpretation and integration of juridical transactions; divergence between the intention and the declaration; defects of the intention; representation in juridical transactions. 3. Transactional object. 4. Accidental elements of juridical transactions. 5. Ineffectiveness and invalidity of juridical transactions: general concepts; invalidities; reduction and conversion of juridical transactions.

LAWS161 PUBLIC ECONOMICS

The meaning of Public Economy - Financial Activity of State: Expenses, Revenues and Budget. Economic Activity of State: Characterization of Public Economic activity and the Enterprise activity of State - Public Revenues - Public Expenses - Public Budget - Financial Policy problems.

LAWS162 TAX LAW

Introduction.

I. Tax Law. Historical background. Theory of taxation. Taxes and other contributions. Administrative taxation procedure. Classification of taxes. Definition of Taxes. Tax law and other fields of law. Constitutional Law. Administrative Law. Commercial law. Private Law. Criminal Law. International Law.

II. Tax Jurisdiction. Sources of tax law. General principles of law. International and interregional tax law agreements. Customary law. Jurisprudence. Doctrine. Interpretation of tax laws. Integration of tax laws. Application of tax laws in time and space. Double taxation. Tax avoidance and tax evasion. International exchange of tax information.

III. Legal relation. Nature. Parties. Tax obligation. Tax duties and warranties. Execution procedure.

IV. Taxation in Macao. Evolution. Taxation on income. Taxation of property. Taxation of services. Stamp duty. Special Gaming Tax. Other taxes.

LAWS163 COMPARATIVE LEGAL SYSTEMS

Title I. Introduction. 1. The concept of comparative law and its neighbouring disciplines. 2. The history of comparative law. 3. The function and aims of comparative law. 4. The method of comparative law. 5. Legal formants. 6. Comparative law as a science. 7. The grouping of the legal systems into families.

Title II. Legal traditions of the world. 1. Civil Law: a) History. b) Structure. c) Sources. d) The French and German experiences of Codification. e) The diffusion of the respective patterns. 2. Common Law. 2.1. The English Law: a) History. b) Structure. c) Sources. 2.2. The American Law: a) History. b) Structure. c) Sources. 3. Far East Law. 3.1. Chinese Law. 3.2. Japanese Law. 4. Religious Law. 4.1. Islamic law. 4.2. Hindu Law. 5. African law.

Title III. Introduction to European Union Law.

LAWS164 ENVIRONMENTAL LAW

This course covers the environmental values and policies, history of environmental law, the principles and framework of environmental regulations, the use of risk assessment techniques in environmental law, the regulatory tools of environmental law, and the enforcement and dispute settlement mechanisms and international responsibilities. Special topics like water pollution, air pollution, cross-border movement of hazardous wastes and other local, regional and global environmental problems.

LAWS165 REGISTRY AND NOTARY LAW

I. Concept: 1. the structure and function of registry and notary agencies of Macao SAR. 2. The similar organs and functional difference. 3. The common perspectives of public administration with private interest: Prevention of conflict as an indispensable contribution in administration of justice.

II. The statute law of registry and notary: 1. Organic law. 2. Law codes. 3. Separate legislation.

III. Law of civil registry: 1. Concept and scope. 2. Theory and practice. 3. Principle of information.

IV. Law of Registry of House. 1. Concept and scale. 2. Theory and practice. 3. Principle of information. 4. Commercial registry and registry of automobiles, ships and airplanes.

V. Notary Law. 1. Concept and scope. 2. Theory and practice. 3. Principle of information.

LAWS166 FORENSIC MEDICINE

Forensic Medicine (concept, organization). Corporal offenses. Forensic sexology. Medical reports and certificates. Sudden natural death. Identification. Violent death. Injury and death from physical agents. Wounding. Asphyxia. Immersion and drowning. Sexual offenses. Abortion and Pregnancy. Infant deaths. Poisoning and drugs. Alcohol abuse. Forensic Psychiatry. Labor Forensic Medicine. Medical ethic, responsibility and negligence. Transplantation of organs and tissues practice of observations (autopsy, medico-legal examinations).

LAWS167 ESPECIAL PART OF CRIMINAL LAW

1. Crimes against life; 2. Crimes against property; 3. Crimes against peace and humanity; 4. Crimes against public order; 5. Crimes against Original Region; 6. Casino Crime; 7. Crimes against economic order.

LAWS168 JURIDICIAL PRACTICE

Part I. 1. Administration of justice: Generality. 2. Organs exercising jurisdictional function. 3. Classification of courts. 4. Hierarchy of courts. 5. Principle regulating administration of justice. 6. The relevant statute laws. 6.1. The Basic Law of Macao SAR. 6.2. The Basic Law of Judicial Organization. 6.3. Civil Procedural Code.

Part II. - Litigation Practice. 1. The judicial protection in Macao SAR. 2. Legal profession. 3. Judicial mandate. 4. The organs and entities with specific function of this area. 5. The relevant statute laws. 5.1. The Basic Law of Macao SAR. 5.2. The Basic Law of Judicial Organization. 5.3. The statute of lawyers and the relevant moral and disciplinary regulations.

LAWS169 GENERAL THEORY OF CHINESE LAW

Part I. - 1. The characteristics of legal system of ancient China. 2. PRC Constitution Political and Economical fundamental principles settled by the Constitution, The State Organs of PRC, Rights and Duties of Chinese citizens. 3. PRC Criminal Law: range of application of criminal law, Conception and constitution of crime, Penalties, Measure of Penalties, the Special Provisions of Criminal Law. 4. Criminal Procedure in PRC: jurisdiction, evidences, mandatory injunctions. The Accusation, 1st and 2nd stages procedures, Execution. 5. PRC Administrative: Administrative institutions, administrative act, the Law of civil servants. Hierarchy Claims and Administrative Procedure.

Part II. - 1. Civil Law of PRC: general principles of Civil Law, the parties of the civil juridical relationship, civil juridical acts, the right of property, contracts, civil liability. 2. The marriage and successions law: marriage regimens, divorce regimens and procedures, blood relations and affinity, inheritance, legal succession, testate succession. 3. Company Law general regimen and types of companies, limited companies, partnership associations and business corporations. 4. PRC Foreign Economy Law: Joint venture enterprises, foreign enterprises, the law of joint administration of companies, PRC use of land law, Tax law related to foreign companies.

LAWS170 GENERAL THEORY OF PORTUGUESE LAW

I - Juridical Systems.

II - Portuguese juridical system. 2.1. Evolution and Characterization. 2.2. Constitutional Law and Administrative Law. 2.3. Criminal Law and Procedure. 2.4. Evolution of Civil Law and Civil Procedural law. 2.5. Commercial Law. 2.6. Economic Law. 2.7. The Private International Law, the nationality. 2.8. European Law. 2.9. The law and the environment, urban construction law, the consumer, the telecommunications, the computing and biotechnic, and other new challenges. 2.10. The foreigners in Portuguese Law. 2.11. The Statute of the former Portuguese colonies in Africa (PALOPs) and the Statute of its citizens. 2.12. The Statute of the Portuguese citizens born in Macao and Macao residents. 2.11. Tendencies of the evolution of Portuguese Law.

III - 3.1. The Portuguese Law and the Law of Macao. 3.2. The autonomization of the Legal System of Macao and the principle of the maintenance basically unchanged of the existing juridical order of Macao. 3.3. The experience of transition in Macao.

IV - Observing the evolution of the Portuguese Legal System and other systems with a common matrix.

LAWS171 PORTUGUESE LEGAL LANGUAGE

Legal language: Basic legal concepts. Legal logic. Judicial syllogism. Critique of legal language. Analysis of court decision. Fundamental legal documents legal procedure. Legal translations. Legislations. Legislative process and formalities.

LAWS210/LAWS250 OBLIGATION LAW I

Chapter I. Introduction. 2. Obligation law and the importance of its study. 2. Reference to Comparative Law. 3. Guiding principles of Civil Law and Obligation Law. 4. General notions. Obligation *stricto sensu*. Performance of the obligation. The problem of non-autonomous obligations. Complex "obligational" relation. Function of the obligation and the interests of the creditor. 5. Credit rights and property rights. The external effect of obligations. 6. Guiding Principles of Obligation Law. Principle of individual autonomy and contractual freedom. Principle of good faith. Principle of the unjust enrichment.

Chapter II. Sources of obligations. 1. Contracts. Contractual relations. 2.1. Promissory contract. 2.2. Preference pact. 2.3. Exception of non-performance. Termination of the contract. 3. Unilateral transactions. 4. Management of alien affairs. 5. Unjust enrichment. 6. Civil Liability. 6.1. Contractual and non contractual liability. 6.2. Liability for unlawful actions. Requirements and regime of the obligation on compensation. The function of civil liability. 6.3. Objective Liability. Liability of the committer. Liability of public legal persons by acts of private management. Liability for damages caused by animals. Liability for damages caused by terrestrial circulation vehicles. Liability for damages caused by electrical energy or gas installations. 6.4. Liability for legal actions. 6.5. Mandatory civil liability insurance. 6.6. Mandatory automobile civil liability insurance. 6.7. Limitations to the liability and the right to compensation.

LAWS211/LAWS253 ADMINISTRATIVE LAW I

I. Public administration 1. Public Administration. Concept and different meanings. 2. Historical evolution. 3. Public Administration and the other State functions 4. Administrative systems: comparison between the continental-European system and the British system.

II. Administrative organization 1. The structure of the public administration 2. Types of inter-organic relations: hierarchy, superintendence and supervision; delegation of powers 3. The Administrative organization of the SARL.

III. The administration and the Law 1. Public Administration and private law 2. Public administration and administrative law: the principle of legality of Administration. 3. Activity bound by the law and discretionary activity: the administrative discretionary activity. 4. Sources of administrative law: in special, the administrative Regulations.

LAWS212/LAWS255 FAMILY LAW

Chapter I. Introduction. 1. Legal notion of family. 2. Constitutional principles. 3. Sources of Family Law. 4. Features of family law and of family rights.

Chapter II Family relations. 1. Relatives. Affiliation relationship. Establishment of mother-child relationship. Establishment of father-child relationship. Assisted procreation. Medical assisted procreation. Effects of the affiliation. Parental responsibility. 2. In-laws. 3. Adoption. Constitution and effects. 4. Marriage. Concept, Matrimonial regimes, features of the marriage as an act and as a status.

Chapter III. Marriage. 1. Constitution of the matrimonial relation: marriage as an act. Civil marriage. Requirements. Consent. Capacity. Formalities. Invalid marriage. Putative marriage. 2. Effects of marriage: marriage as a status. 2.1. Personal effects. 2.2. Patrimonial effects. General principles and suppletive regime of the matrimonial goods. 3. Modification of the matrimonial relations. Judicial separation of goods. Judicial separation of persons and goods. 4. Termination of the matrimonial relation. 4.1. Death and presumed death. 4.2. Divorce. Divorce by mutual consent. Process. Nature. Litigious divorce. Causes of litigious divorce.

Chapter IV *De facto* union. Notion of legally relevant *de facto* union.

LAWS214/LAWS252 LABOUR LAW

Title I. Labour Law: concept, object and importance. Chapter I. Historical evolution of Labour Law. Chapter II. Sources of Labour Law.

Title II. The labour contract. Chapter I. Concept, elements and legal characteristics of the labour contract.

Title III. The formation of the labour contract. Chapter I. Parts of the labour contract. 1. Employee. 2. Employer. 3. Rights and duties. Chapter II. Types of employment contracts. 1. Infinite duration period. 2. Fixed term and non-fixed term. Chapter III. Probationary period. Chapter IV.

Employment of minors.

Title IV. Working time. Chapter I. Normal working hours. 1. Exemption for the working time schedule. 2. Overtime work. 3. Night work. 4. Shift work. Chapter II. Periods of rest. 1. Weekly rest. 2. Holidays. 3. Annual leave. 4. Absences. 5. Maternity leave.

Title V. Salary. Chapter I. Types of salary. 1. Basic remuneration. 2. Variable remuneration. 3. Calculation of the retribution. 4. Compensation and deductions on salary.

Title VI. Termination of the labour relation. Chapter I. Forms of termination. 1. Revocation. 2. Resolution. 3. Rescission. 4. Expiry.

Title VII. Labour relations with non-residents workers. Title VIII. Social Security.

LAWS215 ECONOMICS

1. Offer and demand. 2. Consumers and Producers decisions. 3. The structure of the Market. 4. The National Income Accounting and the determination of the national income theory. 5. Financial and Monetary Policies. 6. Inflation and Unemployment. 7. Economic System and Development of Regional Economy.

LAWS220/LAWS251 OBLIGATION LAW II

Chapter I. Modalities of obligations. 1. Obligations in relation to their binding: the natural and civil obligations. 2. Obligations in relation to the individuals: conjoint and jointly liable obligations. 3. Obligations in relation to the object. Pecuniary, interest and compensation obligations.

Chapter II Transfer of obligations. 1. Transfer of credit. Sub-rogation. 2. Individual transfer of debts. 3. Cession of the contractual position.

Chapter III General security of obligations. 1. Scope. 2. Protection of patrimonial guarantees. Void contracts. Sub-rogation of the creditor to the debtor. *Actio pauliana*. Seizure of assets.

Chapter IV. Special security of obligations. 1. Personal and real securities. 2. Bail. 3. Real securities. 4. Bond.

Chapter V. Performance and non performance of obligations. 1. Performance. Performance and principle of good faith. Timeliness of obligations. Who can perform and to whom can the obligation be performed. Place and deadline of the performance. Allocation and evidence of performance. 2. Non performance. Impossibility and delay not imputable to the debtor. Impossibility and delay imputable to the debtor. 3. Defective performance. 4. Contractual regulation of the rights of the creditor. Penalty clause. 5. Forced execution of the credit. Action to enforce the performance, specific performance, performance by equivalent. 6. Cession of assets to the creditors. 7. Delay of the creditor.

Chapter VI. Causes of extinction of obligations besides the performance.

Chapter VII. Special contracts. 1. Contracts regulated and not regulated in the law. 2. Mixed contracts and contracts related. 3. Contracts regulated in the Civil Code. 4. Gaming and betting. General and special features of gaming and betting.

LAWS221/LAWS254 ADMINISTRATIVE LAW II

I. The Administrative Activity. 1. General notions: legal facts in administrative law; in special the administrative illicit 2. Administrative activity.

II. The regulatory power. 1. Notion, function and grounds for the administrative regulations 2. The administrative regulations and the law: admissibility of the independent regulations. 3. The regulatory procedure.

III. Administrative act 1. Notion and meaning 2. Typology 3. Instrumental acts. 4. The administrative procedure. 5. Effectiveness and legal strength of the administrative act: the possibility of execution by Administration of its own acts. 6. The structure of the administrative act: the subject, the object and the declaration. 7. The defects of the administrative act. Types of invalidity.

IV. The administrative contract 1. General notions: the public administration, consensus and authority. 2. Legal regime: formation, content and principles relating to the "life" of the administrative contracts. Invalidity of administrative contracts.

LAWS222/LAWS256 PATRIMONIAL FAMILY LAW AND SUCCESSION LAW

Title I. Patrimonial Family Law. Chapter I Introduction. Patrimonial effects of relatives, in-laws and adoption. Chapter II Patrimonial effects of marriage. 1. Regime of the matrimonial goods. Nuptial agreements. Description of the legal regimes of goods. Separation. General community of property. Community of acquired property. Participation in acquired property. Administration of the goods of the couple. Matrimonial illegitimacies. Liability for the debts of the spouse. 2. Termination of the patrimonial relations. Chapter III Alimony.

Title II. Succession Law. Chapter I Introduction. Legal notion of succession. Constitutional principles and sources. Succession systems. Features of the succession law and of the succession rights. Chapter II Succession in general. 1. Death as a prerequisite to succession. 2. Several types of succession by death. 3. Heir and legatee. 4. Opening of succession. 5. Succession "calling", succession "appointment", content and object of the succession "calling". Prerequisites of succession "calling". Prevalence of the succession "appointment". Existence of the "called" person. Succession capacity, indignity and disinheritance. Modes of "calling". Indirect "calling". Right to representation. Direct substitution. Right of accretion. 6. Vacant succession. 7. Succession acquisition. Acceptance and refusal of the inheritance. 8. Request of the inheritance. 9. Transfer of the inheritance. 10. Administration of the inheritance. 11. Charges for the inheritance and its liquidation. 12 Partition of the inheritance. Chapter III Successions in special. 1. Legal succession. 2. Legal mandatory succession. 3. Testate succession. 4. Contractual succession. Partition in life.

LAWS310/LAWS351 COMMERCIAL LAW I

Title I. The exercise of commercial entrepreneurs in general. Chapter I. 1. Introduction to Commercial Law. 2. The commercial law as the law "around" the business. Chapter II. Commercial enterprise and Commercial entrepreneurs. 1. Commercial entrepreneurs and acts of commerce. Chapter III. Commercial entrepreneurs. 1. Commercial capacity, Impediments and incompatibilities. 2. Legitimacy. 3. Obligations of commercial entrepreneurs. 3.1. Firm. 3.2. Commercial bookkeeping. 3.3. Commercial register. 3.4. Render accounts. Chapter IV. Representation in the performance of an enterprise. 1. Managers. 2. Assistants of an entrepreneur. Chapter V. Liability for the exercise of an commercial enterprise. 1. Liability for debts contracted in the exercise of an enterprise. 2. Liability for defective products. Chapter VI. A commercial enterprise as an object of business. 1. The right over the enterprise and the rights on the assets of the enterprise. 2. The commercial enterprise as object of contracts. 2.1. The transfer of the commercial enterprise. 2.2. Lease of commercial enterprise. 3. Usufruct of commercial enterprise. 4. Pledge of commercial enterprise. Chapter VII. Trade distinctive signs. 1. Firm (remission). 2. Name and emblem. 3. Trademark. Chapter VIII. Competition legal discipline. 1. Competition in general. 2. Unfair competition.

Title II. Negotiable instruments. Chapter I. Negotiable instrument in general. Chapter II. Bill of exchange. 1. Typical notes of the obligation incorporated in a negotiable instrument. 2. Requisites of the bill of exchange. 2.1. Essential requisites. 2.2. Non essential requisites. 3. Legal institutes of the Bill of Exchange. 3.1. Drawing. 3.2. Endorsement. 3.3. Acceptance. 3.4. "Aval". 3.5. Types of maturity. 3.6. Recourse.

LAWS311/LAWS353 CRIMINAL LAW I

Title I. General Considerations. Chap. I. Criminal Law in a formal perspective. 1. Concept. Chap. II. The whole Criminal Law Science. Chap. III. Criminal Law main principles. Chap. IV. The role of the Criminal Law in the legal system – the question of the material concept of crime. 1. The criminal legal property. Chap. V. The aim of the penalties and the security measures. Chap. VI. Criminal Law limits. 1. Comparison to the other Law fields. Chap. VII. The principle of the legality – role, reasons and consequences. 1. Criminal Law interpretation and integration. 2. Criminal Law validity – application of the Criminal Law depending on time and space factors.

Title II. The General Theory of the Criminal Infraction. Chap. I. Introduction. 1. Constitutive elements of the crime. 2. Classification of the crimes. Chap. II. The so-called 'incriminatory type'. 1. The illicit type in an objective perspective and the attribution of the result to the behave. 2. The illicit type in a subjective perspective. 3. The intention and its elements. 4. The problem of the

mistake. 5. The negligence.

LAWS312/LAWS350 PROPERTY LAW

Introduction (evolution of the systems of real property rights). I – Notion of real property right. II. Characteristics of the real property rights. III. The real property rights. Community property. Joint ownership. Horizontal ownership. IV. Limited real property rights. The usufruct. The use and habitation rights. Timesharing right. Superficial right. Emphyteusis constituted before the new Civil Code of Macao. Real property rights resulting from concession of government land in Macao: granted dominium utile; ownership of buildings on leased land. Abstract on real property rights for acquisition and for real security. V. Possession. Definition. Possession and mere detention. Rights that can be possessed. Things that can be possessed. Capacity for possess. Characteristics of possession. Acquisition of possession. The protection of the possession: Rights resulting from the possession; Legal actions to defend the possession. Usucapio (the adverse possession).

LAWS313/LAWS355 ADMINISTRATIVE LAW III

I. Introduction. 1. Administrative justice. 2. Separation of powers. 3. Main historical models of administrative justice. 4. Subjective and objective models.
 II. Evolution of the judicial review in Macao. 1. Jurisdictional competence within the judicial review in Macao. The administrative Court. Appeal Courts. Judicial organization in Macao.
 III. Mechanisms of Judicial review. 1. Judicial review. 1.1 Concept and nature. 1.2 General principles. 1.3 Administrative acts that can be judicially reviewed. 1.4 Procedural requirements 1.5 Standing of the parties 1.6 Proceeding. 2. Special judicial remedies 2.1 Judicial review of norms 2.2 Electoral litigation 2.3 Administrative infractions 3. Administrative Actions 3.1 Judicial action on administrative contracts 3.2 Judicial action on torts liability 3.3 Injunction. Judicial action to compel the practice of an administrative act 3.4 Judicial action for the protection of rights and lawful interests. 4. Interim Measures. 4.1 Suspension of the effects of an administrative decision. 4.2 Provisory injunction. 4.3 Production of endangered evidence. 4.4 Other interim measures.
 IV. Judicial Decisions 1. Legal effects of the judicial decisions
 V. Judicial appeals 1. Right to appeal 2. Legal regime.
 VI. Execution of judicial decisions. 1. Execution for the delivery of an asset or performance in kind. 2. Execution for payment of an amount 3. Guarantees against illegitimate non execution.
 VII. Arbitration 1. Arbit. 2. Appeal of arbitration. 3. Arbitration centers.

LAWS314/LAWS356 CIVIL PROCEDURAL LAW I

I. Introduction. Procedure and Procedural Law. Jurisdiction and jurisdictional function. General frame of the action in civil jurisdiction.
 II. The action. The right to a legal action. Legal classification of the actions: according to their goal, according to their form. Interlocutory injunctions.
 III. Civil Procedure Law. Concept. Features. Importance. Interpretation and integration of its norms. Application in time. Application in space.
 IV. Sources of the Portuguese Civil Procedure Law and close Disciplines. Historical evolution. Special mention of Macao.
 V. Theory of the Procedural Relationship. The instance as a procedural relationship. The structure of procedural relationship. The parties. Procedural requisites concerning the parties. Judiciary personality. Judiciary capacity. Legitimization. Compulsive representation by an attorney at law. The procedural interest. The court. The judicial organization. Jurisdiction and competence. The object of the procedural relation. The claim and the cause of action.
 VI. The process forms. Common process and special processes. Ordinary and summary common process. Special process of small claims.

LAWS320/LAWS352 COMMERCIAL LAW II

Title I. Commercial companies in general. Chapter I. Notion of commercial company and related figures. Chapter II. Brief historical reference. Chapter III. Types of commercial companies.
 Title II. Constitution and functioning of commercial companies. Chapter I. Constitution of

commercial companies. Chapter II. Legal personality and capacity of commercial companies. Chapter III. On the shares. Chapter IV. Capital and legal capital, profits and losses. Chapter V. Company organs. 1. Administration. 2. General Meeting. 2.1. Company resolutions. 2.2. Ineffectiveness of company resolutions. 2.2.1. Resolutions ineffective. 2.2.2. Void resolutions. 2.2.3. Voidable resolutions. 2.2.4. Nonexistent resolutions? 3. Supervisory Board and single supervisor. 4. The company secretary. 5. The liability of members of company organs. Title III. Amendment of the articles of association. Chapter I. Amendments to the articles of association. 1. Generalities. 2. Increase or reduction of the company capital. 3. Modification of the company object. Chapter II. Mergers and divisions of companies. Chapter III. Transformation of companies. Title IV. Extinction of commercial companies. Chapter I. Winding up of commercial companies. Chapter II. Liquidation of commercial companies

LAWS321/LAWS354 CRIMINAL LAW II

Title I. Continuation of the General Theory of the Criminal Infraction. Chap. I. The so-called 'justifying type'. 1. The causes of exclusion of the illicit. Chap. II. The so-called 'type of fault'. 1. Definition of the criminal fault. 2. Intentional and negligent fault. 3. Non-imputability due to the age or to a mental health disorder. 4. The causes of exclusion of the fault. Chap. III. Punishment. Chap. IV. Omission – general notions. Chap. V. Attempt. Chap. VI. Participation in the crime - perpetration and complicity. Title II. Legal consequences of the crime. Chap. I. Penalties. 1. Preliminary remarks. 2. Imprisonment – or the penalty that restricts the freedom . 3. Fine – or the penalty that restricts the property. 4. Alternative penalties. 5. Accessory penalties. Chap. II. Determination of the penalty. 1. The system of determination of the penalty. 2. The concrete penalty measure. 3. Special cases of determination of the penalty. Brief approach.

LAWS410/LAWS451 COMMERCIAL LAW III

Title I. Commercial contracts in general. Chapter I. Introduction. Chapter II. General theory of Commercial contracts. 1. Physiognomy of the modern commercial contract: the problem of standard contractual clauses. 2. Special legal regime of commercial obligations. 3. Prescription of commercial obligations. 4. Classification of commercial contracts. Title II. Study of some Commercial contracts in particular. Chapter I. Contract of sale. Chapter II. Contract for sale or return. Chapter III. Supply contract. Chapter IV. Commission contract and forwarding contract. Chapter V. Distribution contracts. 1. Agency contract. 2. Commercial concession contract. 3. Franchising. 4. Brokerage contract. Chapter VI. Advertising contracts. 1. Contract Advertising. 2. Advertising diffusion contract. 3. Advertising creation contract. 4. Advertising sponsorship contract. Chapter VII. Carriage contract. Chapter VIII. Deposit in general warehouses. Chapter IX. Lodging contract. Chapter X. Current account contract. Chapter XI. Securities lending contract (reporte). Chapter XII. Banking contracts. 1. Bank deposit. 2. Rental of safe deposit boxes 3. Opening credit. 4. Bank advance. 5. Current Bank account. 6. Bank discount. 7. Factoring contract. 8. Leasing. Chapter XIII. Guarantee contracts. 1. Commercial pledge. 2. Fiduciary transfer guarantee. 3. Floating charge. 4. Independent guarantee. Chapter XIV. Insurance contract.

LAWS411/LAWS450 PRIVATE INTERNATIONAL LAW

Title I. 1. Introduction. 2. Method. 3. General principles and regulation values. 4. Function of the conflict rule. 5. Structure of the conflict rule. 6. Classification 7. Renvoi (remission/transmission). 8. Vested rights. 9. General clause of public policy ("ordre public"). 10. The "fraus legis". Title II. 1. Personal law. 2. Natural persons. 3. Juridical persons. 4. Law on foreigners. 5. Legal business. 6. Obligations. 7. Real property rights. 8. Family. 9. Succession.

LAWS412/LAWS452 CRIMINAL PROCEDURAL LAW

I. General Notions. 1. Function and meaning of the criminal law procedure. 2. Criminal law procedure within the legal system. 3. The juristic and constitutional compliance of the criminal procedure and its structure. 4. The application of the criminal procedure law. II. General Principles of Criminal Procedure Law. 1. Principles relating to the initial stage of the

procedure. 2. Principles relating to the continuation of the procedure. 3. Principles relating to evidence. 4. Principles relating to the form of the procedure.

III. The Agents of the Criminal Procedure. 1. Court. 2. Public prosecutor and criminal police bodies. 3. The defendant and the defendant's lawyer. 4. The victim and injured party.

IV. Procedural measures 1. Means to obtain evidence. 2. Safeguard and Police measures. 3. Coercive Measures 4. Measures of patrimonial guarantee.

V. Stages of the Criminal Procedure. 1. The forms of criminal procedure and their respective procedure. 2. Appeals.

Pre-requisite: May be considered within FLL Pedagogic Regulations

LAWS413 POLITICAL SCIENCE

Chapter I - Object, method, scope and objectives of political science. Chapter II - Review of politics over centuries. Chapter III - The forms and systems of modern governments. Chapter IV - Systems of some particular governments. Chapter V - Forms and system of Macao government.

LAWS414/LAWS453 CIVIL PROCEDURAL LAW II

Title I. Theory of pleadings. One. Concept of pleading. 2nd. Form. 3rd. Time. 4th. Place. 5th. Subjects. 6th. Purposes. 7th. Pathology of pleadings.

Title II. Dynamics of procedural relationship. One. Start the instance and its development. 2nd. Modifications of the instance. 3rd. Suspension and termination of proceedings. 4th. No need to adjudicate. 5th. The incidents of the proceedings.

Title III. Formalism of ordinary declarative process and its phases. Chapter I. Articulated. One. Initial petition. 2nd. Order injunction. 3rd. Quote. 4th. Challenge: challenge for defense and for defense exception. 5th. Counterclaim. 6th. Reply and rejoinder. 7th. Articulated supervening. Chapter II. Sanitation and preparation process. One. Pre-Order exonerating. 2nd. Selection of the facts. 3rd. Curative act. Chapter III. Instruction process. One. The evidence in general. 2nd. Right evidential material and formal evidentiary law. 3rd. The burden of proof and rules. 4th. Principles that govern the production of evidence in court. 5th. Evidence. Chapter IV. Discussion and judgment. One. The final hearing. 2nd. The final sentence. 3rd. Effects of sentence. 3.1. The res judicata and its species. 3.2. Subjective and objective limits of res judicata. 3.3. Other effects of final judgment.

Title IV. Formalism of common abstract declarative process. One. Differences regime regarding how common ordinary. 2nd. Deadlines.

Title V. Process particular concerning small claims. One. Competence. 2nd. Specialties of conduct.

LAWS415 LEGAL ANALYSIS & SPEAKING AND DEBATING SKILLS

This course can help students to understand the basic elements of learning and applying to the law: standardization; sociality; logicity; definability; finality; sense of justice. This course introduces students to the basic skills of public speaking and debate. It examines the functions, elements, types and roles of public speaking. Through lectures and practices, students learn essential skills in writing, speaking and debating that engage a public audience.

LAWS420/LAWS454 CIVIL PROCEDURAL LAW III

Title I. General theory of executive action. One. Concept and objectives. 2nd. Rate cool.

Title II. Inadmissibility of executive action. One. Specific assumptions. 1.1. Assumption formal and substantive requirements. 1.2. The enforceable legal nature and historical evolution. 1.3. Rating enforceable. 1.4. Consequences of lack of enforcement or its unenforceability. 1.5. Sure, liquidity and enforceability of the obligation. 2nd. General inadmissibility of executive action. 2.1. The jurisdiction of the court. 2.2. The formal legitimacy. 2.3. The mandatory legal representation. Title III. Forms of executive process. One. Common process and special processes. 2nd. Legal Regime of different species and forms of execution.

Title IV. Process executive for payment of a certain amount and its phases. Chapter I. Ordinary form. One. Articulated. 1.1. Initial application. 1.2. Order injunction. 1.3. Quote of the run. 1.4.

The attached opposition's run. 2nd. The attachment. 2.1. Definition and purpose. 2.2. Opposition to attachment. 3rd. Contest creditors. 3.1. Complaint and checking credits. 3.2. Processing. 4th. Payment and its modalities. 5th. Right of redemption. 6th. Term of the executive process. 7th. Renewal of execution extinct. Chapter II. Summary form of the implementation process for the payment of a certain amount.

Title V. Implementation process to deliver right thing. One. Forms common and ordinary common summary. 2nd. Conduct.

Title VI. Implementation process to provide that. One. The fact that positive and negative. 2nd. Forms common and ordinary common summary.

PTSB110 LANGUAGE LABORATORY: DEVELOPMENT OF PRONUNCIATION AND PRODUCTION I

Language laboratory training and practice in the recognition and production of the sounds of Portuguese for the development of appropriate and accurate pronunciation.

PTSB111 INTRODUCTION TO THE COMPREHENSION OF WRITTEN PORTUGUESE I

A practical introductory course involving the comprehension and use of basic structures and lexicon of Portuguese language. Students will work with comprehension exercises and activities involving the use of structures and lexicon in context.

PTSB112 INTRODUCTION TO PORTUGUESE LANGUAGE I

Practical introduction to Portuguese concentrating on oral communication yet involving elements of all language skills and a selection of cultural topics.

PTSB113 COMMUNICATING IN PORTUGUESE

This course compliments Introduction to Portuguese Language I and concentrates on communicating in Portuguese through simulation of dialogues and other role play activities modeled on video material or composed by the students.

PTSB120 LANGUAGE LABORATORY: DEVELOPMENT OF PRONUNCIATION AND PRODUCTION II

This course further develops and refines the student's skills in the recognition and production of the sounds of Portuguese for the acquisition of appropriate and accurate pronunciation.

Pre-requisite: PTBS110

PTSB121 INTRODUCTION TO THE COMPREHENSION OF WRITTEN PORTUGUESE II

A practical course involving the comprehension and use of basic structures and lexicon of Portuguese language. Students work with exercises and activities involving the use of structures and lexicon in context.

Pre-requisite: PTBS111

PTSB122 INTRODUCTION TO PORTUGUESE LANGUAGE II

Instruction in Portuguese language skills for communication, concentrating on the further development of oral communication, yet involving elements of reading and writing and a range of cultural topics.

Pre-requisite: PTBS112

PTSB123 INTRODUCTION TO CONVERSATION

Short dialogues on everyday topics related to the vocabulary that students are familiar with. Vocabulary enhancement. Drafting of dialogues and sketches to be "performed" in the class. Discussion of the topics and of the texts drafted by the students.

Pre-requisite: PTBS110, PTBS112

PTSB210 LANGUAGE LABORATORY: DEVELOPMENT OF PRONUNCIATION AND PRODUCTION III

Intermediate level language laboratory training and practice in accurate pronunciation and

production. Production exercises. Oral summary of aural and video texts. Self-correction of pronunciation.

Pre-requisite: PTSB120

PTSB211 STRUCTURE OF PORTUGUESE I

A practical course involving the use of the structures of Portuguese, matching the developmental sequence of the course PTSB213 - Portuguese Language and Culture I. The formal topics covered include the use of Regular and Irregular verbs, introduction to the subjunctive mode. However, the course also reviews the topics of the first year. Students work with exercises and activities involving the use of structures in context.

Pre-requisite: PTSB121

PTSB212 WRITING I

An introduction to the structuring and writing of different types of texts, including letters (private or business) memoranda and basic essays. Students will write different types of texts for presentation and discussion.

Pre-requisite: PTSB120, PTSB121

PTSB220 LANGUAGE LABORATORY: DEVELOPMENT OF PRONUNCIATION AND PRODUCTION IV

Intermediate second level language laboratory training and practice in accurate pronunciation and production. Production exercises. Oral summary of aural and video texts. Self-correction of pronunciation.

Pre-requisite: PTSB210

PTSB221 STRUCTURE OF PORTUGUESE II

A thorough revision of the use of all the structures presented to the student during the previous three semesters. Students work with exercises and activities involving the use of structures in context.

Pre-requisite: PTSB211

PTSB222 WRITING II

Essay writing on pre-selected topics that the students will prepare and present before the class. Practice of summary and abstract writing. Analysis of selected texts as models.

Pre-requisite: PTSB212

PTSB311 PRACTICAL WRITING FOR PROFESSIONAL PURPOSES I

A practical course in which students are trained in the writing of texts for professional purposes: official and commercial correspondence, memoranda, declarations, summary reports, applications, and advertisements.

Pre-requisite: PTSB222

PTSB312 ADVANCED INTERMEDIATE COMPREHENSION AND PRODUCTION SKILLS I

Advanced intermediate level language laboratory practice in comprehension of audio and video texts in different varieties of Portuguese of the Portuguese-speaking nations. Transcription of audio and video texts of different registers: news items, interviews, press conferences, television and cinema. Oral and written summary of audio/video texts. Advanced production exercises for development of pronunciation fluency and accuracy.

Pre-requisite: PTSB220

PTSB321 PRACTICAL WRITING FOR PROFESSIONAL PURPOSES II

Students are trained in the writing of texts for professional purposes: administration correspondence, business correspondence, reports

Pre-requisite: PTSB311

LAWS172 INTRODUCTION TO ALTERNATIVE DISPUTE RESOLUTION

This course will provide in-depth introduction to the alternative dispute resolution, including arbitration and mediation, and its linkage and connection with court adjudication. It will cover the law and practice of ADR in both civil law and common law jurisdictions, with a focus on its application in Macao.

LAWS173 LEGAL HISTORY OF MACAO

The course mainly addresses the historical evolution of political system of Macao. Part I: The political system of the Period of Internal Autonomy of Portuguese Residents (1557-1843). Part II: The political system of the period of overseas province including Timor and Solor (1844-1895). Part III: The political system of Macao as a single overseas province (1896-1975): The Period of Granting Autonomy of Colony (1896-1930), the 1995' Statute of Macao Province and 1963 and 1972 Political and Administrative Statute of Macao Province. Part IV: The political system before and after the transition of power (1976-2005).

LAWS416 RESEARCH AND INTERNSHIP

This course can help students to understand the basic elements of learning and applying to the law: standardization; sociality; logicity; definability; finality; sense of justice. This course introduces students to the basic skills of public speaking and debate. It examines the functions, elements, types and roles of public speaking. Through lectures and practices, students learn essential skills in writing, speaking and debating that engage a public audience. In addition to the coursework, students have to choose to look for a relevant workplace to perform 100 hours of internship or to attend 10 court trials and prepare a report for any 5 out of the 10 court trials attended to fulfill the internship requirement.

BACHELOR OF LAW IN PORTUGUESE LANGUAGE PROGRAMME

LAWS112/LAWS150 INTRODUCTION TO LAW

Title I. The concept of Law. Chapter I. The Law as part of the whole social order. 1. The Law and other normative orders. 2. The religion. 3. The ethic. 4. The social behavior.

Title II. The aims or values of the Law. Chapter I. Justice and security.

Title III. The structure of the Law. Chapter I. The rule of Law.

Title IV. Sources of Law. Chapter I. voluntary sources of Law and non-voluntary sources of Law.

Title V. Interpretation of the Law. Chapter I. Types of interpretation. 1. Elements of interpretation.

2. Results of the interpretation. Chapter II. Integration of the gaps in the Law. 1. Analogy. 2. Creation of a ad hoc rule.

LAWS114/LAWS153 CONSTITUTIONAL LAW

Title I. General notions of Constitutionalism. Chapter I. Constitution as legal statute of politics.

1. The autonomy of public sphere. 2. State as a political form of modernity. 3. The crisis of State:

regionalism and globalization. Chapter II. From Constitutionality to Inter-constitutionality. 1. The hierarchical and normative scheme of the constitution of the supervising state. 2. The binding

inter-constitutionality of the supervised State. 3. Democracy and rule of law. Chapter III.

Comparative Constitutional Law. 1. The Portuguese constitutional experience. 2. The Chinese constitutional experience. 3 The evolution of Macao autonomic status.

LAWS115/LAWS154 MACAO BASIC LAW

Title I. The Basic Law of the SARM. Chapter I. Characterizing the SARM. 1. SARM as a political

region. 2. Scope of autonomy of SARM. 3. SARM's political system. Chapter II. Purposes of

Basic Law. 1. Theories on the purposes of Basic Law. 2. Art. 31 of the CPRC and its double task.

3. Luso-Chinese joint-declaration. Chapter III. Legal nature of the Basic Law. 1. Ideas on the

legal nature of the Basic Law. 2. Basic Law as an ordinary legal norm. 3. Basic Law as statutory legal norm. 4. Basic Law as a reinforced legal norm. 5. Basic Law as a material constitutional legal norm. Chapter IV. Guaranty of the Basic Law. 1. Interpretation of the Basic law. 2. Guaranty of the reinforced value of the Basic Law. 3. Limits to revision of the Basic Law.

LAWS113 LEGAL HISTORY

Title I. Chapter I. Legal thoughts in traditional Chinese society. 1. Divine Law 2. Patriarchal law 3. Confucianism. 4. Legalism. Chapter II. Legal and political thoughts in Modern China. Chapter III. 1. Legal History of Macao. 1.1 Introduction. 1.2 Specificity and sources of law of overseas Portuguese territories. 1.3 Law and justice. 1.3.1. Portuguese law and local laws, scope of application. 1.3.2 Indigenous law and the mixed relations. 1.3.3 Legal pluralism and mixed jurisdiction in Macao. 1.3.4. Judicial organization of Macao.

Title II. Chapter I. Introduction. 1. Social history of law. Chapter II. The formation of the Common Law. 1. The Roman Law. Sources: (Corpus Iuris Civilis). General Characteristics of the Praetor's Law. The evolution of Roman law until the imperial constitutions. *vulgarrecht*. 2. Legal pluralism. The role of legal thought in the formation and evolution of the common law. The glossators, commentators, *mos gallicus iura docendi*, *usus modernus pandectarum* and naturalists. Chapter III. Philosophy of Law. 1. Legal positivism, legal, historical, sociological and conceptual. 2. Pure theory of law and the right alternative use.

LAWS110/LAWS151 GENERAL THEORY OF CIVIL LAW I

Title I. Introduction. 1. General concepts of civil law. 2. Preliminaries.

Title II. General theory of the civil juridical order. Chapter I. Sources of civil law. Chapter II. Fundamental principles of civil law.

Title III – General theory of the civil juridical relationship. Chapter I. General theory of the individuals of the juridical relationship. 1. General concepts. 2. Natural persons. 3. Legal persons. Chapter II. General theory of the object of the juridical relationship. 1. General concepts. 2. Things and patrimony.

LAWS120/LAWS152 GENERAL THEORY OF CIVIL LAW II

Title I. General theory of the civil juridical relationship (cont.). Chapter I. General theory of the juridical fact. 1. About juridical facts in general: concepts and classifications; acquisition, modification and extinction of juridical relationships; juridical transaction and simple juridical act. 2. Transactional declaration: general concepts; interpretation and integration of juridical transactions; divergence between the intention and the declaration; defects of the intention; representation in juridical transactions. 3. Transactional object. 4. Accidental elements of juridical transactions. 5. Ineffectiveness and invalidity of juridical transactions: general concepts; invalidities; reduction and conversion of juridical transactions.

LAWS211/LAWS253 ADMINISTRATIVE LAW I

I. Public administration 1. Public Administration. Concept and different meanings. 2. Historical evolution. 3. Public Administration and the other State functions 4. Administrative systems: comparison between the continental-European system and the British system.

II. Administrative organization 1. The structure of the public administration 2. Types of inter-organic relations: hierarchy, superintendence and supervision; delegation of powers 3. The Administrative organization of the SARM.

III. The administration and the Law 1. Public Administration and private law 2. Public administration and administrative law: the principle of legality of Administration. 3. Activity bound by the law and discretionary activity: the administrative discretionary activity. 4. Sources of administrative law: in special, the administrative Regulations.

Pre-requisite: May be considered within FLL Pedagogic Regulations

LAWS221/LAWS254 ADMINISTRATIVE LAW II

I. The Administrative Activity. 1. General notions: legal facts in administrative law; in special the administrative illicit 2. Administrative activity.

II. The regulatory power. 1. Notion, function and grounds for the administrative regulations 2. The administrative regulations and the law: admissibility of the independent regulations. 3. The regulatory procedure.

III. Administrative act 1. Notion and meaning 2. Typology 3. Instrumental acts. 4. The administrative procedure. 5. Effectiveness and legal strength of the administrative act: the possibility of execution by Administration of its own acts. 6. The structure of the administrative act: the subject, the object and the declaration. 7. The defects of the administrative act. Types of invalidity.

IV. The administrative contract 1. General notions: the public administration, consensus and authority. 2. Legal regime: formation, content and principles relating to the "life" of the administrative contracts. Invalidity of administrative contracts.

LAWS116/LAWS155 PUBLIC INTERNATIONAL LAW

1. Concept and nature of Public International Law. 2. Relationship between International and Domestic Law. 3. Sources of Public International Law: treaties and customary norms. 4. International Legal Personality. 5. The State: elements of the State, the recognition of State, succession of states, rights and duties of the State. 6. International Organizations: definition and types. The United Nations. 7. Diplomatic and Consular relations Law. 8. The peaceful resolution of the international conflicts. 9. Individuals in Public International Law. 10. Application of Public International Law to Macao.

LAWS210/LAWS250 OBLIGATION LAW I

Chapter I. Introduction. 2. Obligation law and the importance of its study. 2. Reference to Comparative Law. 3. Guiding principles of Civil Law and Obligation Law. 4. General notions. Obligation *stricto sensu*. Performance of the obligation. The problem of non-autonomous obligations. Complex "obligational" relation. Function of the obligation and the interests of the creditor. 5. Credit rights and property rights. The external effect of obligations. 6. Guiding Principles of Obligation Law. Principle of individual autonomy and contractual freedom. Principle of good faith. Principle of the unjust enrichment.

Chapter II. Sources of obligations. 1. Contracts. Contractual relations. 2.1. Promissory contract. 2.2. Preference pact. 2.3. Exception of non-performance. Termination of the contract. 3. Unilateral transactions. 4. Management of alien affairs. 5. Unjust enrichment. 6. Civil Liability. 6.1. Contractual and non contractual liability. 6.2. Liability for unlawful actions. Requirements and regime of the obligation on compensation. The function of civil liability. 6.3. Objective Liability. Liability of the committer. Liability of public legal persons by acts of private management. Liability for damages caused by animals. Liability for damages caused by terrestrial circulation vehicles. Liability for damages caused by electrical energy or gas installations. 6.4. Liability for legal actions. 6.5. Mandatory civil liability insurance. 6.6. Mandatory automobile civil liability insurance. 6.7. Limitations to the liability and the right to compensation.

LAWS220/LAWS251 OBLIGATION LAW II

Chapter I. Modalities of obligations. 1. Obligations in relation to their binding: the natural and civil obligations. 2. Obligations in relation to the individuals: conjoint and jointly liable obligations. 3. Obligations in relation to the object. Pecuniary, interest and compensation obligations.

Chapter II Transfer of obligations. 1. Transfer of credit. Sub-rogation. 2. Individual transfer of debts. 3. Cession of the contractual position.

Chapter III General security of obligations. 1. Scope. 2. Protection of patrimonial guarantees. Void contracts. Sub-rogation of the creditor to the debtor. *Actio pauliana*. Seizure of assets.

Chapter IV. Special security of obligations. 1. Personal and real securities. 2. Bail. 3. Real securities. 4. Bond.

Chapter V. Performance and non performance of obligations. 1. Performance. Performance and principle of good faith. Timeliness of obligations. Who can perform and to whom can the obligation be performed. Place and deadline of the performance. Allocation and evidence of performance. 2. Non performance. Impossibility and delay not imputable to the debtor. Impossibility and delay imputable to the debtor. 3. Defective performance. 4. Contractual regulation of the rights of the creditor. Penalty clause. 5. Forced execution of the credit. Action to

enforce the performance, specific performance, performance by equivalent. 6. Cession of assets to the creditors. 7. Delay of the creditor.

Chapter VI. Causes of extinction of obligations besides the performance.

Chapter VII. Special contracts. 1. Contracts regulated and not regulated in the law. 2. Mixed contracts and contracts related. 3. Contracts regulated in the Civil Code. 4. Gaming and betting. General and special features of gaming and betting.

LAWS311/LAWS353 CRIMINAL LAW I

Title I. General Considerations. Chap. I. Criminal Law in a formal perspective. 1. Concept. Chap. II. The whole Criminal Law Science. Chap. III. Criminal Law main principles. Chap. IV. The role of the Criminal Law in the legal system – the question of the material concept of crime. 1. The criminal legal property. Chap. V. The aim of the penalties and the security measures. Chap. VI. Criminal Law limits. 1. Comparison to the other Law fields. Chap. VII. The principle of the legality – role, reasons and consequences. 1. Criminal Law interpretation and integration. 2. Criminal Law validity – application of the Criminal Law depending on time and space factors.

Title II. The General Theory of the Criminal Infraction. Chap. I. Introduction. 1. Constitutive elements of the crime. 2. Classification of the crimes. Chap. II. The so-called 'incriminatory type'. 1. The illicit type in an objective perspective and the attribution of the result to the behave. 2. The illicit type in a subjective perspective. 3. The intention and its elements. 4. The problem of the mistake. 5. The negligence.

LAWS321/LAWS354 CRIMINAL LAW II

Title I. Continuation of the General Theory of the Criminal Infraction. Chap. I. The so-called 'justifying type'. 1. The causes of exclusion of the illicit. Chap. II. The so-called 'type of fault'. 1. Definition of the criminal fault. 2. Intentional and negligent fault. 3. Non-imputability due to the age or to a mental health disorder. 4. The causes of exclusion of the fault. Chap. III. Punishment. Chap. IV. Omission – general notions. Chap. V. Attempt. Chap. VI. Participation in the crime - perpetration and complicity.

Title II. Legal consequences of the crime. Chap. I. Penalties. 1. Preliminary remarks. 2. Imprisonment – or the penalty that restricts the freedom. 3. Fine – or the penalty that restricts the property. 4. Alternative penalties. 5. Accessory penalties. Chap. II. Determination of the penalty. 1. The system of determination of the penalty. 2. The concrete penalty measure. 3. Special cases of determination of the penalty. Brief approach.

LAWS214/LAWS252 LABOUR LAW

Title I. Labour Law: concept, object and importance. Chapter I. Historical evolution of Labour Law. Chapter II. Sources of Labour Law.

Title II. The labour contract. Chapter I. Concept, elements and legal characteristics of the labour contract.

Title III. The formation of the labour contract. Chapter I. Parts of the labour contract. 1. Employee. 2. Employer. 3. Rights and duties. Chapter II. Types of employment contracts. 1. Infinite duration period. 2. Fixed term and non-fixed term. Chapter III. Probationary period. Chapter IV. Employment of minors.

Title IV. Working time. Chapter I. Normal working hours. 1. Exemption for the working time schedule. 2. Overtime work. 3. Night work. 4. Shift work. Chapter II. Periods of rest. 1. Weekly rest. 2. Holidays. 3. Annual leave. 4. Absences. 5. Maternity leave.

Title V. Salary. Chapter I. Types of salary. 1. Basic remuneration. 2. Variable remuneration. 3. Calculation of the retribution. 4. Compensation and deductions on salary.

Title VI. Termination of the labour relation. Chapter I. Forms of termination. 1. Revocation. 2. Resolution. 3. Rescission. 4. Expiry.

Title VII. Labour relations with non-residents workers.

Title VIII. Social Security.

LAWS312/LAWS350 PROPERTY LAW

Introduction (evolution of the systems of real property rights). I – Notion of real property right. II.

Characteristics of the real property rights. III. The real property rights. Community property. Joint ownership. Horizontal ownership. IV. Limited real property rights. The usufruct. The use and habitation rights. Timesharing right. Superficial right. Emphyteusis constituted before the new Civil Code of Macao. Real property rights resulting from concession of government land in Macao: granted dominium utile; ownership of buildings on leased land. Abstract on real property rights for acquisition and for real security. V. Possession. Definition. Possession and mere detention. Rights that can be possessed. Things that can be possessed. Capacity for possess. Characteristics of possession. Acquisition of possession. The protection of the possession: Rights resulting from the possession; Legal actions to defend the possession. Usucapio (the adverse possession).

LAWS212/LAWS255 FAMILY LAW

Chapter I. Introduction. 1. Legal notion of family. 2. Constitutional principles. 3. Sources of Family Law. 4. Features of family law and of family rights.

Chapter II Family relations. 1. Relatives. Affiliation relationship. Establishment of mother-child relationship. Establishment of father-child relationship. Assisted procreation. Medical assisted procreation. Effects of the affiliation. Parental responsibility. 2. In-laws. 3. Adoption. Constitution and effects. 4. Marriage. Concept, Matrimonial regimes, features of the marriage as an act and as a status.

Chapter III. Marriage. 1. Constitution of the matrimonial relation: marriage as an act. Civil marriage. Requirements. Consent. Capacity. Formalities. Invalid marriage. Putative marriage. 2. Effects of marriage: marriage as a status. 2.1. Personal effects. 2.2. Patrimonial effects. General principles and suppletive regime of the matrimonial goods. 3. Modification of the matrimonial relations. Judicial separation of goods. Judicial separation of persons and goods. 4. Termination of the matrimonial relation. 4.1. Death and presumed death. 4.2. Divorce. Divorce by mutual consent. Process. Nature. Litigious divorce. Causes of litigious divorce.

Chapter IV *De facto* union. Notion of legally relevant *de facto* union.

LAWS222/LAWS256 PATRIMONIAL FAMILY LAW AND SUCCESSION LAW

Title I. Patrimonial Family Law. Chapter I Introduction. Patrimonial effects of relatives, in-laws and adoption. Chapter II Patrimonial effects of marriage. 1. Regime of the matrimonial goods. Nuptial agreements. Description of the legal regimes of goods. Separation. General community of property. Community of acquired property. Participation in acquired property. Administration of the goods of the couple. Matrimonial illegitimacies. Liability for the debts of the spouse. 2. Termination of the patrimonial relations. Chapter III Alimony.

Title II. Succession Law. Chapter I Introduction. Legal notion of succession. Constitutional principles and sources. Succession systems. Features of the succession law and of the succession rights. Chapter II Succession in general. 1. Death as a prerequisite to succession. 2. Several types of succession by death. 3. Heir and legatee. 4. Opening of succession. 5. Succession "calling", succession "appointment", content and object of the succession "calling". Prerequisites of succession "calling". Prevalence of the succession "appointment". Existence of the "called" person. Succession capacity, indignity and disinheritance. Modes of "calling". Indirect "calling". Right to representation. Direct substitution. Right of accretion. 6. Vacant succession. 7. Succession acquisition. Acceptance and refusal of the inheritance. 8. Request of the inheritance. 9. Transfer of the inheritance. 10. Administration of the inheritance. 11. Charges for the inheritance and its liquidation. 12 Partition of the inheritance. Chapter III Successions in special. 1. Legal succession. 2. Legal mandatory succession. 3. Testate succession. 4. Contractual succession. Partition in life.

LAWS310/LAWS351 COMMERCIAL LAW I

Title I. The exercise of commercial entrepreneurs in general. Chapter I. 1. Introduction to Commercial Law. 2. The commercial law as the law "around" the business. Chapter II. Commercial enterprise and Commercial entrepreneurs. 1. Commercial entrepreneurs and acts of commerce. Chapter III. Commercial entrepreneurs. 1. Commercial capacity, Impediments and incompatibilities. 2. Legitimacy. 3. Obligations of commercial entrepreneurs. 3.1. Firm. 3.2. Commercial bookkeeping. 3.3. Commercial register. 3.4. Render accounts. Chapter IV.

Representation in the performance of an enterprise. 1. Managers. 2. Assistants of an entrepreneur. Chapter V. Liability for the exercise of an commercial enterprise. 1. Liability for debts contracted in the exercise of an enterprise. 2. Liability for defective products. Chapter VI. A commercial enterprise as an object of business. 1. The right over the enterprise and the rights on the assets of the enterprise. 2. The commercial enterprise as object of contracts. 2.1. The transfer of the commercial enterprise. 2.2. Lease of commercial enterprise. 3. Usufruct of commercial enterprise. 4. Pledge of commercial enterprise. Chapter VII. Trade distinctive signs. 1. Firm (remission). 2. Name and emblem. 3. Trademark. Chapter VIII. Competition legal discipline. 1. Competition in general. 2. Unfair competition.

Title II. Negotiable instruments. Chapter I. Negotiable instrument in general. Chapter II. Bill of exchange. 1. Typical notes of the obligation incorporated in a negotiable instrument. 2. Requisites of the bill of exchange. 2.1. Essential requisites. 2.2. Non essential requisites. 3. Legal institutes of the Bill of Exchange. 3.1. Drawing. 3.2. Endorsement. 3.3. Acceptance. 3.4. "Aval". 3.5. Types of maturity. 3.6. Recourse.

LAWS313/LAWS355 ADMINISTRATIVE LAW III

I. Introduction. 1. Administrative justice. 2. Separation of powers. 3. Main historical models of administrative justice. 4. Subjective and objective models.

II. Evolution of the judicial review in Macao. 1. Jurisdictional competence within the judicial review in Macao. The administrative Court. Appeal Courts. Judicial organization in Macao.

III. Mechanisms of Judicial review. 1. Judicial review. 1.1 Concept and nature. 1.2 General principles. 1.3 Administrative acts that can be judicially reviewed. 1.4 Procedural requirements 1.5 Standing of the parties 1.6 Proceeding. 2. Special judicial remedies 2.1 Judicial review of norms 2.2 Electoral litigation 2.3 Administrative infractions 3. Administrative Actions 3.1 Judicial action on administrative contracts 3.2 Judicial action on torts liability 3.3 Injunction. Judicial action to compel the practice of an administrative act 3.4 Judicial action for the protection of rights and lawful interests. 4. Interim Measures. 4.1 Suspension of the effects of an administrative decision. 4.2 Provisory injunction. 4.3 Production of endangered evidence. 4.4 Other interim measures.

IV. Judicial Decisions 1. Legal effects of the judicial decisions

V. Judicial appeals 1. Right to appeal 2. Legal regime.

VI. Execution of judicial decisions. 1. Execution for the delivery of an asset or performance in kind. 2. Execution for payment of an amount 3. Guarantees against illegitimate non execution.

VII. Arbitration 1. Arbit. 2. Appeal of arbitration. 3. Arbitration centers.

LAWS314/LAWS356 CIVIL PROCEDURAL LAW I

I. Introduction. Procedure and Procedural Law. Jurisdiction and jurisdictional function. General frame of the action in civil jurisdiction.

II. The action. The right to a legal action. Legal classification of the actions: according to their goal, according to their form. Interlocutory injunctions.

III. Civil Procedure Law. Concept. Features. Importance. Interpretation and integration of its norms. Application in time. Application in space.

IV. Sources of the Portuguese Civil Procedure Law and close Disciplines. Historical evolution. Special mention of Macao.

V. Theory of the Procedural Relationship. The instance as a procedural relationship. The structure of procedural relationship. The parties. Procedural requisites concerning the parties. Judiciary personality. Judiciary capacity. Legitimization. Compulsive representation by an attorney at law. The procedural interest. The court. The judicial organization. Jurisdiction and competence. The object of the procedural relation. The claim and the cause of action.

VI. The process forms. Common process and special processes. Ordinary and summary common process. Special process of small claims.

LAWS414/LAWS453 CIVIL PROCEDURAL LAW II

I. Procedural acts theory. Concept of procedural act. Form. Time. Place. Parties. Goal. Pathology of procedural acts.

II. Dynamics of the procedural relation. The bringing of a suit. Development of the instance.

Modifications. Suspension and interruption. Conclusion. Incidents of the instance.

III. Formalities of the Ordinary Declaratory Procedure. Phases. Articulated pleading. Declaration. "In limine" order. Service of summons. The answer: defensive-answer; counterclaim-answer. The replication. The rejoinder. Supervening articulated pleadings. Healing and abridgement. Curative decision. Facts specification and questionnaire. The instruction. The evidences in general. Material probative law. Formal probative law. The burden of proof. Fundamental principles. Means of proof. Trial. Final hearing. 5. Final decision. "Res judicata" and its limits.

IV. Formalities of the Summary Declaratory Procedure.

V. Special procedure of small claims.

LAWS412/LAWS452 CRIMINAL PROCEDURAL LAW

I. General Notions. 1. Function and meaning of the criminal law procedure. 2. Criminal law procedure within the legal system. 3. The juristic and constitutional compliance of the criminal procedure and its structure. 4. The application of the criminal procedure law.

II. General Principles of Criminal Procedure Law. 1. Principles relating to the initial stage of the procedure. 2. Principles relating to the continuation of the procedure. 3. Principles relating to evidence. 4. Principles relating to the form of the procedure.

III. The Agents of the Criminal Procedure. 1. Court. 2. Public prosecutor and criminal police bodies. 3. The defendant and the defendant's lawyer. 4. The victim and injured party.

IV. Procedural measures 1. Means to obtain evidence. 2. Safeguard and Police measures. 3. Coercive Measures 4. Measures of patrimonial guarantee.

V. Stages of the Criminal Procedure. 1. The forms of criminal procedure and their respective procedure. 2. Appeals.

LAWS320/LAWS352 COMMERCIAL LAW II

Title I. Commercial companies in general. Chapter I. Notion of commercial company and related figures. Chapter II. Brief historical reference. Chapter III. Types of commercial companies.

Title II. Constitution and functioning of commercial companies. Chapter I. Constitution of commercial companies. Chapter II. Legal personality and capacity of commercial companies. Chapter III. On the shares. Chapter IV. Capital and legal capital, profits and losses. Chapter V. Company organs. 1. Administration. 2. General Meeting. 2.1. Company resolutions. 2.2. Ineffectiveness of company resolutions. 2.2.1. Resolutions ineffective. 2.2.2. Void resolutions. 2.2.3. Voidable resolutions. 2.2.4. Nonexistent resolutions? 3. Supervisory Board and single supervisor. 4. The company secretary. 5. The liability of members of company organs.

Title III. Amendment of the articles of association. Chapter I. Amendments to the articles of association. 1. Generalities. 2. Increase or reduction of the company capital. 3. Modification of the company object. Chapter II. Mergers and divisions of companies. Chapter III. Transformation of companies.

Title IV. Extinction of commercial companies. Chapter I. Winding up of commercial companies. Chapter II. Liquidation of commercial companies

LAWS410/LAWS451 COMMERCIAL LAW III

Title I. Commercial contracts in general. Chapter I. Introduction. Chapter II. General theory of Commercial contracts. 1. Physiognomy of the modern commercial contract: the problem of standard contractual clauses. 2. Special legal regime of commercial obligations. 3. Prescription of commercial obligations. 4. Classification of commercial contracts.

Title II. Study of some Commercial contracts in particular. Chapter I. Contract of sale. Chapter II. Contract for sale or return. Chapter III. Supply contract. Chapter IV. Commission contract and forwarding contract. Chapter V. Distribution contracts. 1. Agency contract. 2. Commercial concession contract. 3. Franchising. 4. Brokerage contract. Chapter VI. Advertising contracts. 1. Contract Advertising. 2. Advertising diffusion contract. 3. Advertising creation contract. 4. Advertising sponsorship contract. Chapter VII. Carriage contract. Chapter VIII. Deposit in general warehouses. Chapter IX. Lodging contract. Chapter X. Current account contract. Chapter XI. Securities lending contract (reporte). Chapter XII. Banking contracts. 1. Bank deposit. 2. Rental of safe deposit boxes 3. Opening credit. 4. Bank advance. 5. Current Bank

account. 6. Bank discount. 7. Factoring contract. 8. Leasing. Chapter XIII. Guarantee contracts. 1. Commercial pledge. 2. Fiduciary transfer guarantee. 3. Floating charge. 4. Independent guarantee. Chapter XIV. Insurance contract.

LAWS411/LAWS450 PRIVATE INTERNATIONAL LAW

Title I. 1. Introduction. 2. Method. 3. General principles and regulation values. 4. Function of the conflict rule. 5. Structure of the conflict rule. 6. Classification 7. Renvoi (remission/transmission). 8. Vested rights. 9. General clause of public policy ("ordre public"). 10. The "fraus legis".

Title II. 1. Personal law. 2. Natural persons. 3. Juridical persons. 4. Law on foreigners. 5. Legal business. 6. Obligations. 7. Real property rights. 8. Family. 9. Succession.

LAWS420/LAWS454 CIVIL PROCEDURAL LAW III

I. General Theory of the enforcement action. Concept and goals. The legal classification.

II. Procedural requisites of the enforcement action. 1. Specific requisites. Formal and substantial requisites. The writ of enforcement. Legal nature. Historical evolution. Classification of the writ of enforcement. Consequences of the lack of writ of enforcement or of its non-enforcementness. Certainty and exigibility of the debt: The liquidated debt. General requisites of the enforcement action. International and internal jurisdiction. Formal legitimization. Compulsive representation by an attorney.

III. Forms of the executive proceedings. Legal regime of the different species and forms of executive proceedings.

IV. The phases of the enforcement process. Ordinary enforcement process for the payment of a right amount. Phases: The Articulates. Initially pleading. "In limine" decision. Service of summons. Opposition. Attachment: definition, object, cases of withdrawing from execution and forced sale. Opposition to the attachment. Finding. Concurrence of creditor claims. Reclamation and verification of claims. Proceeding. Payment. Forms of payment. Termination of the enforcement procedure. Voidance and renovation of the enforcement procedure. Summary enforcement procedure for the payment of a certain amount of money. Common enforcement procedure for delivery of a determinate thing. Ordinary and summary proceedings. Common enforcement process for rendering a certain fact positive or negative. Ordinary and summary procedures.

LAWS219 PUBLIC ECONOMICS

The meaning of Public Economics - Financial Activity of State: Expenses, Revenues and Budget. Economic Activity of State: Characterization of Public Economic activity and the Enterprise activity of State - Public Revenues - Public Expenses - Public Budget - Financial Policy problems.

LAWS162 TAX LAW

I. Introduction. I. Tax Law. Historical background. Theory of taxation. Taxes and other contributions. Administrative taxation procedure. Classification of taxes. Definition of Taxes. Tax law and other fields of law. Constitutional Law. Administrative Law. Commercial law. Private Law. Criminal Law. International Law. II. Tax Jurisdiction. Sources of tax law. General principles of law. International and interregional tax law agreements. Customary law. Jurisprudence. Doctrine. Interpretation of tax laws. Integration of tax laws. Application of tax laws in time and space. Double taxation. Tax avoidance and tax evasion. International exchange of tax information. III. Legal relation. Nature. Parties. Tax obligation. Tax duties and warranties. Execution procedure. IV. Taxation in Macao. Evolution. Taxation on income. Taxation of property. Taxation of services. Stamp duty. Special Gaming Tax. Other taxes.

LAWS510 GENERAL THEORY OF CHINESE LAW

Title I. History of Chinese Law. 1. Legal thoughts and characteristics of legal system in ancient China. 2. The transition of Chinese traditional legal system towards modernization.

Title II. Constitutional Law. 1. The basic political system. 2. The State Organs of China. 3. Rights and duties of Chinese citizens.

Title III. Sources of Law and Legislative System. 1. Hierarchy of sources of law. 2. Legislative procedures prescribed in the Law on Law-Making.

Title IV. Judicial System and Judicial Reform. 1. Judicial Organs. 2. People's Courts, Organizations, Jurisdictions and trial systems. 3. People's Procuratorates, Organizations and Competences.

Title V. Criminal Law. 1. Scope of application of criminal law. 2. Conception and constitution of crime 3. Penalties.

Title VI. Civil Law. 1. General principles of civil law, 2. The parties of the civil juridical relationship, 3. Civil juridical acts, 4. The right of property, 5. Contracts, 6. Civil liability.

Title VII. Marriage and successions law. 1. marriage regimes, divorce regimes and procedures, 2. blood relations and affinity, 3. inheritance, 4. legal succession, 5. testate succession.

Title VIII. Company Law. 1. General regime and types of companies, 2. Limited companies. 3. Joint stock limited liability companies 4. Partnership associations.

Title IX. Arbitration and mediation

LAW5520 GENERAL THEORY OF LAW

I. Introduction: Object and interest of the subject.

II. The phenomenon of law. 1. Grounds of law. 1.1. Recurrent issues of General Theory of Law. 1.1.1. The concept of law. 1.1.2. Legal norms. 1.1.3. The ground of validity of a legal system. 1.1.4. Hume's *law* and legal positivism. 1.1.5. The theory of justice. John Rawls: justice as fairness. 1.1.6. Law and ethics.

LAW5521 COMPARATIVE LAW

Title I. Introduction. 1. The concept of comparative law and its neighbouring disciplines. 2. The history of comparative law. 3. The function and aims of comparative law. 4. The method of comparative law. 5. Legal formants. 6. Comparative law as a science. 7. The grouping of the legal systems into families.

Title II. Legal traditions of the world. 1. Civil Law: a) History. b) Structure. c) Sources. d) The French and German experiences of Codification. e) The diffusion of the respective patterns. 2. Common Law. 2.1. The English Law: a) History. b) Structure. c) Sources. 2.2. The American Law: a) History. b) Structure. c) Sources. 3. Far East Law. 3.1. Chinese Law. 3.2. Japanese Law. 4. Religious Law. 4.1. Islamic law. 4.2. Hindu Law. 5. African law.

Title III. Introduction to European Union Law.

LAW5166 FORENSIC MEDICINE

1 Legal Medicine represents four broad areas of medical practice, encapsulating the fields of Civil Legal Medicine, Criminal or Forensic Legal Medicine, Medical Ethics, and Medical Practice areas affected by statute law. The course includes: 1. Legal Medicine context. The compared law in medical issues in Macao, Portugal and other countries. Medical reports and certificates. 2. Forensic Medical Sciences (concept, organization, law). 3. Corporal offenses. 4. Forensic sexology. 5. Sudden natural death. Violent death. Homicide, Suicide, parasuicide, and deliberate self-harm. 6. Injury and death from physical agents. 7. Wounding. 8. Asphyxia. Immersion and Drowning. 9. Death investigation and causes of death. Autopsy, medico-legal examinations. 10. Sexual offenses. 11. Abortion and Pregnancy. Infant deaths. 12. Toxicology. Poisoning and drugs. Alcohol abuse. Drug addiction. 13. Forensic Psychiatry and Mental Health. 14. Odontology, Anthropology. Man-made and natural Mass disasters. Corpses Identification. 15. Labor, Occupational Health and Safety Law. 16. Medical ethics, responsibility and negligence. Transplantation of organs and tissues practice of observations. 17. Euthanasia. 18. Assisted reproductive technologies and ethical concerns. 19. Debate on Public Health Protection and Prevention. International Health Regulation and law enforcement in epidemics. 20. Genetics and DNA. Use of DNA in Paternity and Criminal identification. 21. Basic research on medico-legal areas performed by students.

LAW5117 ECONOMICS I

Title I Introduction. 1. Economics: scope, concepts and method. 2. The organization of economic activities. 3. Brief history of economics and the economic systems.

Title II. Microeconomics. 4. Demand: The behavior of consumers. 5. Supply: The behavior of firms. 6. The behavior of markets and prices. 7. Markets for production factors and income distribution. 8. Specialization and international trade.

LAWS122 ECONOMICS II

Title I. Macroeconomics. 1. Economic flows and National Accounting. 2. Economic cycles, aggregate demand and the multiplier model. 3. Government: policies, taxation and expenditure. 4. Unemployment, inflation and the stabilisation and growth policies. 5. Money, the banking system and the financial markets. 6. Open economies, growth and economic integration.

Title II. Current topics. 7. International trade: issues and trends. 8. Economics and the environment. 9. Economics, the law and the social institutions.

LAWS118/LAWS123/LAWS216/LAWS224/LAWS315/LAWS322

CHINESE LANGUAGE (I TO VI)

The main objective of these courses is to provide the basic skills on *Putonghua*, both spoken and written. Chinese Culture shall also be part of the programme.

LAWS119/LAWS124 TRANSLATION TECHNIQUES CHINESE/PORTUGUESE I AND II

These subjects require the knowledge of both languages, Chinese and Portuguese. The main objective is to provide the students with the basic techniques used in any translation. Students shall then practice such methods by translating, texts and oral speeches and dialogues, from Chinese into Portuguese and vice-versa.

LAWS217/LAWS225 LEGAL TRANSLATION CHINESE/PORTUGUESE I AND II

These subjects require the knowledge not only of both languages, Chinese and Portuguese, but also of the legal issues being translated, as well as of basic translation techniques. The main objective is to provide students with the basic methods used in legal translation. Students shall then practice such methods by translating, legal texts as well as legal speeches and dialogues, from Chinese into Portuguese and vice-versa.

LAWS316/LAWS323 LEGAL ENGLISH I AND II

These subjects require the basic knowledge of English language, as well as of legal issues. The main objective is to learn how to express some fundamental Civil Law notions in English, as well as to understand some Common Law key concepts.

LAWS522 RESEARCH PAPER

The research may fall on any issue within the subjects taught in the Programme. The research shall be conducted under the concerned teacher's supervision. The research paper should count between 6.600 and 11.000 words (between 30 and 50 pages), double spaced lines.

PhD Programmes**Applied Physics and Materials Engineering**

For student with a master degree:

Faculty-wide Compulsory Courses		Credits
SCTE802	Research Writing	1
Department-wide Compulsory Courses		
APME803	Advanced Instrumentation for Materials Characterization	3
APME823	Advanced Topics in Applied Physics and Materials Engineering Technology	0
APME825	Advanced Quantum Mechanics	3
APME827	Research Ethics	0
1 required elective course from the list of elective courses		3
APME899	Doctoral Thesis	18
Total Credits		28

For student without a master degree:

Faculty-wide Compulsory Courses		Credits
SCTE802	Research Writing	1
Department-wide Compulsory Courses		
APME803	Advanced Instrumentation for Materials Characterization	3
APME823	Advanced Topics in Applied Physics and Materials Engineering Technology	0
APME825	Advanced Quantum Mechanics	3
APME827	Research Ethics	0
5 required elective course from the list of elective courses		15
APME899	Doctoral Thesis	18
Total Credits		40

List of elective courses:

APME801	Solid State Physics	3
APME807	Thin Film Physics	3
APME814	Advanced Electrochemical Energy Conversion and Storage	3

APME818	Computational Materials	3
APME819	Advanced Materials Science (Equivalent to APME 802 Mechanical Properties and Behavior of Materials)	3
APME820	Advanced Optoelectronics	3
APME821	Advanced Laser Spectroscopy Technology	3
APME822	Transmission Electron Microscopy	3
APME824	Special Topics in Applied Physics and Materials Engineering	3
APME826	Advanced Electromagnetism	3

PhD Programmes

Civil Engineering

Faculty-wide Compulsory Courses		Credits
SCTE802	Research Writing	1
SCTE803	Research Methods and Ethics	3
Department-wide Compulsory Courses		
CIEE805	Advanced Topics in Civil Engineering	3
CIEE899	Doctoral Thesis	18
Total Credits		25
Other Course(s):		Credits
For students admitted without a relevant Master's degree:		
5 required elective courses selected from existing compulsory and elective courses of Master's Degree Programmes in Civil Engineering		15
Total Credits		40

FACULTY OF SCIENCE AND TECHNOLOGY

PhD Programmes**Computer Science**

Faculty-wide Compulsory Courses		Credits
SCTE802	Research Writing	1
SCTE803	Research Methods and Ethics	3
Department-wide Compulsory Courses		
COIS823	Advanced Topics in Computer Science	3
COIS899	Doctoral Thesis	18
Total Credits		25
Other Course(s):		Credits
For students admitted without a relevant Master's degree:		
5 courses from the list of elective courses in Master's Degree Programme in Computer Science or E-commerce Technology		15
Total Credits		40

PhD Programmes

Electrical and Computer Engineering

Faculty-wide Compulsory Courses		Credits
SCTE802	Research Writing	1
SCTE803	Research Methods and Ethics	3
Department-wide Compulsory Courses		
ELCE818	Advanced Topics in Electrical and Computer Engineering	3
ELCE899	Doctoral Thesis	18
Total Credits		25
Other Course(s):		Credits
For students admitted without a relevant Master's degree:		
5 courses from the list of elective courses in Master's Degree Programme in Electrical and Computer Engineering		15
Total Credits		40

FACULTY OF SCIENCE AND TECHNOLOGY

PhD Programmes**Electromechanical Engineering**

Faculty-wide Compulsory Courses		Credits
SCTE802	Research Writing	1
SCTE803	Research Methods and Ethics	3
Department-wide Compulsory Courses		
ELME810	Advanced Topics in Electromechanical Engineering	3
ELME899	Doctoral Thesis	18
Total Credits		25
Other Course(s):		Credits
For students admitted without a relevant Master's degree: 5 courses from the list of elective courses in Master's Degree Programme in Electromechanical Engineering		15
Total Credits		40

PhD Programmes

Mathematics

Faculty-wide Compulsory Courses		Credits
SCTE802	Research Writing	1
SCTE803	Research Methods and Ethics	3
Department-wide Compulsory Courses		
MATH827	Advanced Topics in Mathematics	3
MATH899	Doctoral Thesis	18
Total Credits		25
Other Course(s):		Credits
For students admitted without a relevant Master's degree:		
5 courses from the list of elective courses in Master' Degree Programme in Mathematics		15
Total Credits		40

FACULTY OF SCIENCE AND TECHNOLOGY

Master's Degree Programmes**Civil Engineering - Structural and Geotechnical Engineering**

	Credits
CIEE701 Advanced Mathematics	3
CIEE702 Theory of Elasticity and Plasticity	3
CIEE703 Finite Element Method	3
CIEE798 Academic Thesis*	6
5 elective courses chosen from the elective table	15

Total Credits:	30
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OR

CIEE701 Advanced Mathematics	3
CIEE702 Theory of Elasticity and Plasticity	3
CIEE703 Finite Element Method	3
CIEE797 Applied Thesis*	3
6 elective courses chosen from the elective table	18

Total Credits:	30
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*Academic thesis based programme targets all MSc students, while applied thesis based programme targets all MSc students except for studentship/assistantship holders.

Elective table for MSc in Civil Engineering (Structural & Geotechnical Engineering):

CIEE704	Advanced Soil Mechanics	3
CIEE705	Subsurface Investigation and Soil Testing	3
CIEE706	Advanced Foundation Engineering	3
CIEE707	Soil Dynamics	3
CIEE708	Structural Design of Foundations	3
CIEE709	Special Topics in Geotechnical Engineering	3
CIEE710	Structural Vibrations	3
CIEE711	Plates and Shells	3
CIEE712	Structural Analysis and Finite Elements	3
CIEE713	Special Topics in Structural Engineering	3
CIEE714	Numerical Modeling in Geomechanics	3
CIEE715	Random Vibrations of Structures	3
CIEE716	Behavior and Design of Steel Members	3
CIEE717	Ground Improvement Techniques	3
CIEE718	Slope Stability and Earth Retaining Structures	3
CIEE719	Special Topics in Geotechnical Engineering I	3
CIEE721	Special Topics in Structural Engineering I	3
CIEE722	Special Topics in Structural Engineering II	3
CIEE723	Advanced Applications of Structural Dynamics	3
CIEE725	Economic Analysis and Financial Management in Engineering	3
CIEE726	Fracture Mechanics and Fatigue	3
CIEE727	Reliability Analysis in Civil Engineering	3
CIEE728	Instrumentation Systems in Civil Engineering	3

CIEE729	Constitutive Modeling in Soil Mechanics	3
CIEE730	Analysis and Design of Reinforced Concrete Members	3
CIEE748	Quantitative Methods for Construction Decision Making	3
CIEE749	Quality and Safety Management in Construction	3

FACULTY OF SCIENCE AND TECHNOLOGY

Master's Degree Programmes**Civil Engineering - Hydraulics and Environmental Engineering**

		Credits
CIEE701	Advanced Mathematics	3
CIEE731	Hydrodynamics	3
CIEE798	Academic Thesis	6
6 elective courses chosen from the elective table		18

Total Credits:	30
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OR

CIEE701	Advanced Mathematics	3
CIEE731	Hydrodynamics	3
CIEE797	Applied Thesis	3
7 elective courses chosen from the elective table		21

Total Credits:	30
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*Academic thesis based programme targets all MSc students, while applied thesis based programme targets all MSc students except for studentship/assistantship holders.

Elective table for MSc in Civil Engineering (Hydraulics & Environmental Engineering):

CIEE703	Finite Element Method	3
CIEE725	Economic Analysis and Financial Management in Engineering	3
CIEE732	Environmental Fluid Mechanics	3
CIEE733	Sediment Transport	3
CIEE736	Municipal Solid Waste Management	3
CIEE737	Environmental Chemistry	3
CIEE738	Water and Waste Water Treatment: Principle and Application	3
CIEE739	Water Pollution Control: Physical and Chemical Modeling	3
CIEE740	Environmental Assessment and Planning: Computer Modeling	3
CIEE741	Air Pollution Control	3
CIEE742	Special Topics in Environmental Engineering	3
CIEE743	Air Pollution Meteorology and Chemistry	3
CIEE744	Special Topics in Environmental Engineering I	3
CIEE745	Special Topics in Environmental Engineering II	3
CIEE747	Special Topics in Environmental Engineering III	3
CIEE748	Quantitative Methods for Construction Decision Making	3
CIEE749	Quality and Safety Management in Construction	3

Master's Degree Programmes

Computer Science

		Credits
COIS705	Computer Science Seminar	3
COIS798	Academic Thesis	6
7 elective courses chosen from the elective table except COIS705		21

Total Credits: **30**

OR

COIS701	Fundamentals of Software Engineering	3
COIS797	Applied Thesis	3
8 elective courses chosen from the elective table except COIS701		24

Total Credits: **30**

Elective table for MSc in Computer Science:

COIS701	Fundamentals of Software Engineering	3
COIS702	Computer Communications and Networks	3
COIS704	Current Development in Database	3
COIS705	Computer Science Seminar	3
COIS706	Compiler Construction	3
COIS707	Design and Analysis of Algorithms	3
COIS708	Complexity Theory	3
COIS709	Formal Methods in Software Engineering	3
COIS710	Discrete System Simulation	3
COIS711	Computer System Performance Modeling	3
COIS712	Computer Graphics - Principles and Systems	3
COIS713	Principles and Applications of Artificial Intelligence	3
COIS714	Advanced Topics in Computer Science	3
COIS715	Advanced Topics in Computer Science I	3
COIS716	Advanced Topics in Computer Science II	3
COIS717	Principles and Applications of Concurrent Programming	3
COIS718	Advances in Pattern Recognition	3
COIS720	Web Mining	3
COIS722	Distributed Computer	3
COIS723	Applied Natural Language Processing	3
COIS724	Big Data Processing and Analysis	3
COIS725	Introduction to Business Process Management	3

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Master's Degree Programmes**E-Commerce Technology**

	Credits
ECOM704 Fundamental of E-Commerce	3
ECOM798 Academic Thesis	6
7 elective courses chosen from the elective table	21

Total Credits: 30

OR

ECOM704 Fundamental of E-Commerce	3
ECOM705 Internet Programming and Java Technology	3
ECOM797 Applied Thesis	3
7 elective courses chosen from the elective table except ECOM705	21

Total Credits: 30

Elective table for MSc in E-Commerce Technology:

ECOM701 Information Systems Development Methodologies	3
ECOM702 Computer Networks and Internet	3
ECOM703 Distributed Database Management	3
ECOM705 Internet Programming and Java Technology (Not for applied thesis)	3
ECOM706 Data Warehousing	3
ECOM707 Data Mining and Decision Support Systems	3
ECOM708 Advanced Computer Graphics and Multimedia	3
ECOM709 Internet Security and Cryptography	3
ECOM710 Electronic Payment Systems	3
ECOM711 Smart Card Technology and Applications	3
ECOM712 Legal Issues of IT and E-Commerce	3
ECOM713 Topics in E-Commerce	3
ECOM714 Topics in E-Commerce (Electronic Marketplace	3
ECOM715 Topics in E-Commerce (E-Business Integration Technology)	3

Master's Degree Programmes

Electrical and Computer Engineering

	Credits
ELCE701 Introduction to Research	3
ELCE702 Advanced Mathematics	3
ELCE798 Academic Thesis	6
6 elective courses chosen from the elective table	18

Total Credits: **30**

OR

ELCE701 Introduction to Research	3
ELCE702 Advanced Mathematics	3
ELCE797 Applied Thesis	3
7 elective courses chosen from the elective table	21

Total Credits: **30**

Elective table for MSc in Electrical and Computer Engineering:

ELCE703 Transient of Electric Machines	3
ELCE704 Microelectronic Circuit Design	3
ELCE705 Digital Signal Processing	3
ELCE706 Active Network Theory	3
ELCE707 Advanced Topics in Control Systems	3
ELCE708 Advanced Topics in Simulation	3
ELCE709 Expert Systems	3
ELCE710 Special Operation Modes of Electric Machines and Power Systems	3
ELCE711 Microelectronics for Telecommunication and Signal Processing	3
ELCE712 Laser and Semiconductor Physics	3
ELCE713 Advanced Topics in Telecommunications	3
ELCE720 Flexible Alternative Current Transmission System	3
ELCE721 Embedded System	3
ELCE722 Advanced Topics in Analog and Mixed-Signal Integrated Circuits	3
ELCE723 Biomedical Transducers and Instruments	3
ELCE724 Electrochemical Energy Conversion and Storage	3
ELCE725 Special Topics in Biomedical Engineering	3
ELCE726 Medical Imaging Systems	3
ELCE727 Modeling and Theoretical Analysis for Communication Systems	3
ECOM702 Computer Networks and Internet	3
COIS702 Computer Communications and Networks	3
ECOM709 Internet Security and Cryptography	3
ECOM710 Electronic Payment Systems	3
ECOM711 Smart Card Technology & Applications	3

FACULTY OF SCIENCE AND TECHNOLOGY

Master's Degree Programmes**Electromechanical Engineering**

	Credits
ELME701 Introduction to Research	3
ELCE702 Advanced Mathematics	3
ELME798 Academic Thesis	6
6 elective courses chosen from the elective table	18

Total Credits: 30

OR

ELME701 Introduction to Research	3
ELCE702 Advanced Mathematics	3
ELME797 Applied Thesis	3
7 elective courses chosen from the elective table	21

Total Credits: 30

Elective table for MSc in Electromechanical Engineering:

ELME702	Physics of Materials	3
ELME703	Variational Principles and the Application	3
ELME706	Mechatronics	3
ELME707	Process Heat Transfer	3
ELME708	Convective Heat Transfer	3
ELME709	Computational Method for Thermo-Fluid System	3
ELME710	Energy Conversion and Utilization	3
ELME711	Advanced Robotics and Control	3
ELME714	Fluid Power Engineering	3
ELME715	Intelligent Theory and Manufacturing	3
ELME716	Advanced Manufacturing	3
ELME717	Special Topics in Manufacturing I	3
ELME718	Special Topics in Manufacturing II	3
ELME719	Special Topics in Thermal Engineering I	3
ELME720	Special Topics in Thermal Engineering II	3
ELME721	Automotive Engineering	3
ELME722	Failure Analysis in Mechanical Engineering	3
ELME723	Advanced Electrical Services	3
ELME724	Advanced Electromechanical Energy Conversion	3
ELME725	Human Factors Engineering	3
ELME727	Engineering Acoustics	3
ELME728	Advanced Electric Vehicles	3
ELME729	Special topic in Electromechanical Engineering I	3
ELME730	Special topic in Electromechanical Engineering II	3
ELME731	Micromechatronics and Applications	3
ELME732	Intelligent Theory and Engineering Applications	3
ELME733	Industrial Engineering and Engineering Management	3
ELME734	Theories and Practice of CAD/CAM/CAE	3
ELME735	Product Design and Management	3

ELME736	Modeling and Analysis of Production Systems	3
CIEE710	Structural Vibrations	3
CIEE725	Economic Analysis and Financial Management in Engineering	3
ELCE709	Expert Systems	3

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Master's Degree Programmes**Mathematics**

		Credits
MATH701	Functional Analysis	3
MATH702	Real Analysis	3
MATH798	Academic Thesis	6
6 elective courses chosen from the elective table		18

Total Credits:	30
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OR

MATH701	Functional Analysis	3
MATH702	Real Analysis	3
MATH797	Applied Thesis	3
7 elective courses chosen from the elective table		21

Total Credits:	30
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Elective table for MSc in Mathematics:

MATH703	Advanced Numerical Linear Algebra	3
MATH704	Advanced Probability and Statistics	3
MATH705	Clifford Analysis	3
MATH706	Geometry and Its Applications	3
MATH707	Mathematical Theory of Computational Intelligence	3
MATH708	Matrix Analysis	3
MATH709	Numerical Methods for Differential Equations	3
MATH710	Partial Differential Equations	3
MATH711	Reading Course I	3
MATH712	Reading Course II	3
MATH713	Stochastic Differential Equations	3
MATH714	Stochastic Processes	3
MATH715	Time Series Analysis	3
MATH716	Topics in Analysis	3
MATH717	Topics in Geometry	3
MATH718	Topics in Matrix Analysis	3
MATH719	Topics in Partial Differential Equations	3
MATH720	Topics in Probability and Statistics	3
MATH721	Financial Mathematics	3

Bachelor's Degree Programmes

Civil Engineering

Year I		Credits
CEEB120	Civil Engineering Drawing	2
CEEB121	Statics	3
CEEB122	Introduction to Civil and Environmental Engineering	1
MATB120	Calculus II	3
PHYS120	Physics I	4
PHYS210	Physics II	4
General Education Compulsory Courses:		
CEEB110	Computer Science	3
CHEM112	General Chemistry	4
MATB110	Calculus I	3
SAGE102	First-Year Experiential Learning	0
1 GE Compulsory Course (Chinese/Foreign Language)		3
1 GE Compulsory Course (Physical Education)		1
2 GE Compulsory Courses (English Language)		6
Total Credits:		37

Year II		Credits
CEEB210	Kinematics and Dynamics	3
CEEB211	Mechanics of Materials	3
CEEB212	Surveying	2
CEEB220	Fluid Mechanics	3
CEEB221	Mathematics for Civil Engineering	3
CEEB222	Construction Materials	3
CEEB223	Engineering Geology	3
CEEB224	Structural Analysis	3
MATB210	Engineering Mathematics I	3
MATB220	Engineering Mathematics II	3
General Education Compulsory Course:		
1 GE Compulsory Course (Visual and Performing Arts)		2
1 GE Compulsory Course (Life Science, Health and the Human Condition)		3
1 GE Compulsory Course (World Histories and Cultures)		3
Total Credits:		37

Year III		Credits
CEEB310	Environmental Engineering I	3
CEEB312	Construction Management and Practice	3
CEEB313	Soil Mechanics	3
CEEB320	Environmental Engineering II	3
CEEB321	Reinforced Concrete Design	3
CEEB322	Foundation Engineering	3

General Education Compulsory Courses:

1 GE Compulsory Course (Communication)	3
1 GE Compulsory Course (Values, Ethics and Meaning of Life)	3
2 Elective Courses (Distribution/Diversity Course)	6
2 Required Elective Courses from the "Required Elective Course List" below	6

Total Credits: **36**

Year IV		Credits
CEEB311	Steel Design	3
CEEB410	Civil Engineering Project I	3
CEEB411	Integrated Project Design	2
CEEB420	Civil Engineering Project II	3

General Education Compulsory Course:

1 GE Compulsory Course (Macao, China and other Societies)	3
2 Elective Courses (Distribution/Diversity Course)	6
4 Required Elective Courses from the "Required Elective Course List" below	12

Total Credits: **32**

Required Elective Course List:

CEEB350	Civil Engineering Hydraulics	3
CEEB351	Advanced Topics in Soil Mechanics	3
CEEB450	Advanced Mechanics of Materials	3
CEEB451	Advanced Structural Analysis	3
CEEB452	Structural Vibrations	3
CEEB453	Advanced Reinforced Concrete Design	3
CEEB454	Structural Systems and Analysis	3
CEEB455	Selected Topics in Geotechnical Engineering	3
CEEB456	Earth Retaining Systems	3
CEEB457	Application of Numerical Methods in Geotechnical Engineering	3
CEEB458	Introduction to Soil Improvement	3
CEEB459	Engineering Economics and Ethics	3
CEEB460	Construction Planning, Scheduling and Control	3
CEEB461	Construction Methods, Procedure and Equipment	3
CEEB462	Environmental Engineering III	3
CEEB463	Essentials to Environmental Biotechnology	3
CEEB464	Wastewater Treatment Engineering	3
CEEB465	Traffic Engineering	3
CEEB466	Transportation Planning and Public Transport System	3
CEEB467	Special Topics in Civil Engineering	3
CEEB468	Intensive Industrial Training	3
CEEB469	Civil Engineering Internship I	1.5
CEEB470	Civil Engineering Internship II	1.5

Bachelor's Degree Programmes

Computer Science

Year I		Credits
CISB110	Programming Science	3
CISB111	Discrete Structures	3
CISB120	Algorithms and Data Structures I	3
CISB121	Digital Systems	3
CISB122	Probability and Statistics	3
MATB120	Calculus II	3
General Education Compulsory Courses:		
MATB110	Calculus I	3
SAGE102	First-Year Experiential Learning	0
1 GE Compulsory Course (Chinese/Foreign Language)		3
1 GE Compulsory Course (Information Technology and Knowledge Society)		3
1 GE Compulsory Course (Physical Science and the World)		3
2 GE Compulsory Courses (English Language)		6
Total Credits:		36

Year II		Credits
MATB210	Engineering Mathematics I	3
CISB210	Algorithms and Data Structures II	3
CISB211	Computer Organization	3
CISB212	Numerical Methods and Computation	3
MATB220	Engineering Mathematics II	3
CISB221	Introduction to Database Systems	3
CISB222	Principles of Operating Systems	3
General Education Compulsory Courses:		
1 GE Compulsory Course (Life Science, Health and the Human Condition)		3
1 GE Compulsory Course (World Histories and Cultures)		3
1 GE Compulsory Course (Visual and Performing Arts)		2
2 Required Elective Courses from the Required Elective Course List		6
Total Credits:		35

Year III		Credits
CISB310	Computer Networks	3
General Education Compulsory Courses:		
1 GE Compulsory Course (Communicating)		3
1 GE Compulsory Course (Values, Ethics and Meaning of Life)		3
1 GE Compulsory Course (Macao, China and Other Societies)		3
1 GE Compulsory Course (Physical Education)		1
2 Elective Courses (Distribution/Diversity Course)		6
5 Required Elective Courses from the Required Elective Course List:		15
Total Credits:		34

Year IV		Credits
CISB410	Final Year Project	6
CISB457	Software Engineering Principles	3
2 Elective Courses (Distribution/Diversity Course)		6
6 Required Elective Courses from the Required Elective Course List:		18
Total Credits:		33

Required Elective Course List:

CISB220	Compiler Construction	3
CISB250	Human-Computer Interaction	3
CISB251	Object-Oriented Analysis and Design Patterns	3
CISB350	Advanced Operating Systems	3
CISB351	Advanced Database Systems	3
CISB352	Computer Based Simulation	3
CISB353	Formal Languages and Automata	3
CISB354	Programming Language	3
CISB355	Computer Graphics	3
CISB356	Distributed Computer Systems	3
CISB357	Fundamentals of Digital Image Processing	3
CISB358	Fundamentals of Artificial Intelligence	3
CISB359	Information Systems Analysis and Design	3
CISB360	Internship I	3
CISB361	Internship II	1.5
CISB362	Systems and Networks	3
CISB363	Information Retrieval and Web Mining	3
CISB364	Data Visualization	3
CISB365	Multimedia Computing	3
CISB366	Bioinformatics	3
CISB450	Advanced Artificial Intelligence	3
CISB451	Fundamentals of Pattern Recognition	3
CISB452	Groupware Systems	3
CISB453	Internship III	1.5
CISB454	Introduction to Natural Language Processing	3

CISB456	Queue and Scheduling	3
CISB458	Software Project Management	3
CISB459	Special Topics in Computer and Information Science I	3
CISB460	Formal Methods in Software Engineering	3
CISB461	Information Security	3
CISB462	Introduction to Electronic Commerce	3
CISB463	Logic for Computer Science	3
CISB464	Organization and Management	3
CISB465	Professional in Software Engineering	3
CISB466	Special Topics in Computer and Information Science II	3

*Remarks

- Students are required to take 13 Required Elective Courses from the Required Elective Course List
- Students are required to take at least 4 Elective Courses from non-CIS programme (Distribution/Diversity Courses)

FACULTY OF SCIENCE AND TECHNOLOGY

Bachelor's Degree Programmes**Electrical and Computer Engineering**

Year I		Credits
CHEM112	General Chemistry	4
ECEB110	Digital Systems	4
ECEB111	Introduction to Electrical and Computer Engineering	1
ECEB120	Information Technology Revolution and Electronics	1
ECEB121	Embedded Systems	3
ECEB122	Circuit Analysis	4
MATB120	Calculus II	3
General Education Compulsory Courses:		
ECEB112	Computer Science	3
MATB110	Calculus I	3
PHYS120	Physics I	4
SAGE102	First-Year Experiential Learning	0
2 GE Compulsory Courses (English Language)		6
Total Credits:		36

Year II		Credits
ECEB210	Signals and Systems	4
ECEB211	Measurement and Instrumentation	3
ECEB220	Electric Machines	3
ECEB221	Fundamental Electronics	3
ECEB222	Discrete Structure	3
MATB210	Engineering Mathematics I	3
MATB220	Engineering Mathematics II	3
PHYS210	Physics II	4
General Education Compulsory Courses:		
1 GE Compulsory Course (Chinese/Foreign Language)		3
1 GE Compulsory Course (Life Science, Health and the Human Condition)		3
1 GE Compulsory Course (Macao, China and Other Societies)		3
1 GE Compulsory Course (Physical Education)		1
Total Credits:		36

Year III		Credits
ECEB310	Applied Electronics	3
ECEB311	Digital Signal Processing	3
ECEB320	Control Systems	3
ECEB321	ECE Seminars	1
General Education Compulsory Courses:		
1 GE Compulsory Course (Communicating)		3
1 GE Compulsory Course (Visual and Performing Arts)		2
5 Electrical and Computer Engineering Elective Courses from the Related Group		15
2 Diversity Electives (DE)		6
Total Credits:		36

Year IV		Credits
ECEB410	Design Project I	3
ECEB420	Design Project II	3
General Education Compulsory Courses:		
1 GE Compulsory Course (Values, Ethics and Meaning of Life)		3
1 GE Compulsory Course (World Histories and Cultures)		3
4 Electrical and Computer Engineering Elective Courses from the Related Group		12
2 Diversity Electives (DE)		6
Total Credits:		30

*** Electrical and Computer Engineering Elective Courses (Total 27 credits, please refer to the remarks in the next page)**

Mathematics/Science (at least 3 credits)

ECEB250	Electromagnetism	3
ECEB251	Numerical Method and Computation	3
ECEB252	Probability and Statistics	3
ECEB253	Linear Algebra	3
ECEB254	Biology	3
ECEB255	Semiconductor Device Physics	3

General Major (at least 3 credits)

ECEB256	Computer Systems and Network Fundamentals	3
ECEB257	Introduction to Electro-Robot Design	3
ECEB258	Internship	3
ECEB259	Internship I	1.5
ECEB260	Internship II	1.5
ECEB450	Digital Control	3
ECEB451	Special Topic in ECE	3

Biomedical Engineering Discipline (at least 3 credits)

ECEB350	Introduction to Biomedical Engineering	3
ECEB351	Fundamental Bio-Electricity	3

ECEB352	Biomedical Electronics	3
ECEB353	Introduction to Biomedical Signal Analysis	3
ECEB452	Biomedical Measurement and Instrumentation	3
ECEB453	Introduction to Biomedical Imaging	3

Electric Power Engineering and its Automation Discipline (at least 3 credits)

ECEB354	Power Electronics	3
ECEB355	Power Systems Analysis	3
ECEB356	Power Quality and Energy Saving	3
ECEB357	Power Electronics Design and Implementation	3
ECEB358	Electric Drive	3
ECEB454	Renewable Energy Conversion	3
ECEB455	Power System Design and Implementation	3

Microelectronics Discipline (at least 3 credits)

ECEB364	Advanced Topics in Analog and Mixed-Signal Integrated Circuit Design	3
ECEB365	Introduction To Data Converters	3
ECEB366	Introduction To Radio-Frequency Circuits and Systems	3
ECEB368	Analog Integrated Circuit Design	3

Wireless Technology Discipline (at least 3 credits)

ECEB359	Principles of Communication Systems	3
ECEB360	RF and Microwave Techniques for Wireless Systems	3
ECEB361	Antenna Theory and Applications In Wireless Communications	3
ECEB362	Cellular Communication Network Design And Optimization	3
ECEB363	Introduction to Wireless Technology for Digital Game	3
ECEB457	Introduction to Wireless Sensing Network	3
ECEB458	Microwave and Millimeter Wave System Design	3

*Every student is required to take 27 credits of elective courses among these Course Groups.

- At least one course from the "General Major Elective Courses" (considered as major credits)
- At least two elective courses from one individual group of "Discipline Elective Courses" (considered as major credits)
- At least one elective course from each group of "Discipline Elective Courses" (considered as "Free Electives")
- At least one elective course from the "Mathematics/Science courses" (considered as Free Electives")
- The remaining two elective courses selected within the "Discipline Elective Courses", the "Mathematics/Science Elective Courses" and the "General Major Elective Courses" (considered as "Free Electives")

Bachelor's Degree Programmes**Electromechanical Engineering**

Year I		Credits
CHEM112	General Chemistry	4
EMEB110	Engineering Drawing I	1
EMEB120	Engineering Drawing II	1
EMEB121	Engineering Materials	3
EMEB122	Statics	3
MATB120	Calculus II	3
PHYS210	Physics II	4
General Education (GE) Compulsory Courses:		
EMEB111	Programme Design for Engineers	3
MATB110	Calculus I	3
PHYS120	Physics I	4
SAGE102	First-Year Experiential Learning	0
2 GE Compulsory Courses (English Language)		6
1 GE Compulsory Course (Chinese/Foreign Language)		3
Total Credits:		38

Year II		Credits
EMEB210	Strength of Materials	3
EMEB211	Thermodynamics	3
EMEB212	Manufacturing Technology	3
EMEB213	Electrical Engineering	3
EMEB220	Dynamics	3
EMEB221	Computer-aided Design	3
EMEB222	Machine Elements	3
EMEB223	Mechatronics	3
MATB210	Engineering Mathematics I	3
MATB220	Engineering Mathematics II	3
General Education (GE) Compulsory Courses:		
1 GE Compulsory Course (Life Science, Health and the Human Condition)		3
1 GE Compulsory Course (Visual and Performing Arts)		2
1 GE Compulsory Course (Physical Education)		1
Total Credits:		36

Year III		Credits
EMEB310	Production Management	3
EMEB311	Fluid Mechanics	3
EMEB312	Control Engineering	3
EMEB320	Heat Transfer	3
EMEB321	Computer Engineering	3
General Education (GE) Compulsory Courses:		
1 GE Compulsory Course (Communication)		3
1 GE Compulsory Course (Macao, China and other Societies)		3
5 Required Elective Courses		15
Total Credits:		36

Year IV		Credits
EMEB410	Design Project	6
General Education (GE) Compulsory Courses:		
1 GE Compulsory Course (Values, Ethics and Meaning of Life)		3
1 GE Compulsory Course (World Histories and Cultures)		3
2 Required Elective Courses		6
4 Distribution/Diversity Courses		12
Total Credits:		30

Required Elective Courses:

EMEB350	Advanced Manufacturing	3
EMEB351	Advanced Materials for Engineering	3
EMEB352	Air Conditioning and Refrigeration	3
EMEB353	Applications of Vibration and Noise Control	3
EMEB354	Computer Technology in Engineering	3
EMEB355	Corrosion, Wear and Degradation of Materials	3
EMEB356	Electrical Services - Wiring and Installations	3
EMEB357	Electromechanical Energy Conversion	3
EMEB358	Electronics and Instrumentation	3
EMEB359	Finite Element Techniques in Engineering	3
EMEB360	Fundamentals of Automotive Engineering	3
EMEB361	Industrial Data Management	3
EMEB362	Intelligent Buildings	3
EMEB363	Internal Combustion Engines	3
EMEB364	Internship	3
EMEB365	Internship I	1.5
EMEB366	Internship II	1.5
EMEB367	Introduction to Computational Fluid Dynamics	3
EMEB368	Introduction to Engineering Management	3
EMEB369	Introduction to Fire Engineering and Plumbing	3
EMEB370	Introduction to Robotics	3

EMEB371	Mechanical Behaviour of Engineering Materials and Basic Failure Analysis	3
EMEB372	Optimization Techniques and Their Applications in Engineering	3
EMEB373	Production Systems, Planning & Control	3
EMEB374	Special Topics in Electromechanical Engineering I	3
EMEB375	Special Topics in Electromechanical Engineering II	3
EMEB376	Theory of Mechanisms	3

FACULTY OF SCIENCE AND TECHNOLOGY

Bachelor's Degree Programmes**Mathematics****- Mathematics Education**

Year I		Credits
MATB111	Discrete Mathematics	3
MATB112	Linear Algebra I	3
MATB120	Calculus II	3
MATB121	Geometry	3
MATB122	Linear Algebra II	3
General Education Compulsory Courses:		
MATB110	Calculus I	3
PHYS120	Physics I	4
SAGE102	First-Year Experiential Learning	0
1 GE Compulsory Course (Chinese/Foreign Language)		3
1 GE Compulsory Course (Information Technology and Knowledge Society)		3
2 GE Compulsory Courses (English Language)		6
Total Credits:		34

Year II		Credits
MATB211	Calculus III	3
MATB212	Mathematical Analysis I	3
MATB213	Probability	3
MAEB214	Introduction to Education	3
MAEB215	Educational Psychology	3
MAEB216	Theories of Curriculum and Instruction (Secondary Mathematics)	3
MATB221	Mathematical Analysis II	3
MATB222	Applied Statistics	3
MAEB223	Integrating IT into Secondary Teaching and Learning	3
MAEB224	Philosophy of Education	3
General Education Compulsory Courses:		
1 GE Compulsory Course (Values, Ethics and Meaning of Life)		3
1 GE Compulsory Course (Life Science, Health and the Human Condition)		3
1 Distribution/Diversity Course		3
Total Credits:		39

Year III		Credits
MATB310	Ordinary Differential Equations	3
MATB311	Complex Analysis	3
MATB312	Elementary Number Theory	3
MAEB313	Subject Based Teaching Methods (Secondary Mathematics) I	3
MAEB314	Counseling and Guidance	3
MATB320	Abstract Algebra	3
MAEB321	Subject Based Teaching Methods (Secondary Mathematics) II	3
MAEB322	Learning Technology for Secondary Mathematics Teaching	3
General Education Compulsory Courses:		
1 GE Compulsory Course (Communication)		3
1 GE Compulsory Course (Macao, China and other Societies)		3
1 GE Compulsory Course (Physical Education)		1
1 GE Compulsory Course (Visual and Performing Arts)		2
1 GE Compulsory Course (World Histories and Cultures)		3
1 Mathematics Elective Course from the following:		3
MATB323	Partial Differential Equations	3
MATB325	Introduction to Real Analysis and Hilbert Spaces	3
MATB350	Mathematical Analysis III	3
MATB351	History of Mathematics	3
PHYS210	Physics II	4
Total Credits:		39

Year IV		Credits
MAEB410	Supervised Teaching and School Experience I	3
MAEB411	Sociology of Education	3
MAEB420	Supervised Teaching and School Experience II	3
MAEB421	Elementary Mathematics Teaching & Research	3
3 Distribution/Diversity Courses		9
2 Education Elective Courses from the following:		6
MAEB450	Educational Administration	3
MAEB451	Educational Evaluation	3
MAEB452	Research in Mathematics Education	3
MAEB453	Introduction to Special Education	3
MAEB454	Teacher Ethics and Teacher Professional Development	3
Total Credits:		27

FACULTY OF SCIENCE AND TECHNOLOGY

Bachelor's Degree Programmes**Mathematics****- Mathematics and Applications Stream**

Year I		Credits
MATB111	Discrete Mathematics	3
MATB112	Linear Algebra I	3
MATB120	Calculus II	3
MATB121	Geometry	3
MATB122	Linear Algebra II	3
General Education Compulsory Courses:		
MATB110	Calculus I	3
PHYS120	Physics I	4
SAGE102	First-Year Experiential Learning	0
1 GE Compulsory Course (Chinese/Foreign Language)		3
1 GE Compulsory Course (Information Technology and Knowledge Society)		3
2 GE Compulsory Courses (English Language)		6
Total Credits:		34

Year II		Credits
MATB211	Calculus III	3
MATB212	Mathematical Analysis I	3
MATB213	Probability	3
MATB221	Mathematical Analysis II	3
MATB222	Applied Statistics	3
MATB225	Numerical Analysis	3
MATB226	Operations Research	3
PHYS210	Physics II	4
General Education Compulsory Courses:		
1 GE Compulsory Course (Life Science, Health and the Human Condition)		3
1 GE Compulsory Course (Physical Education)		1
1 GE Compulsory Course (Values, Ethics and Meaning of Life)		3
1 GE Compulsory Course (Visual and Performing Arts)		2
1 Distribution/Diversity Course		3
1 Free Elective Course		3
Total Credits:		40

Year III		Credits
MATB310	Ordinary Differential Equations	3
MATB315	Introduction to Stochastic Process	3
MATB311	Complex Analysis	3
MATB323	Partial Differential Equations	3
MATB324	Mathematics Experiments	3
MATB325	Introduction to Real Analysis and Hilbert Spaces	3
General Education Compulsory Course:		
1 GE Compulsory Course (World Histories and Cultures)		3
2 Mathematics Elective Courses		6
1 Free Elective Course		3
1 Distribution/Diversity Course		3
Total Credits:		33

Year IV		Credits
MATB412	Fourier and Signal Analysis	3
MATB359	Final Year Project	3
General Education Compulsory Courses:		
1 GE Compulsory Course (Communication)		3
1 GE Compulsory Course (Macao, China and other Societies)		3
1 Mathematics Elective Courses		3
2 Free Elective Courses		6
2 Distribution/Diversity Courses		6
Total Credits:		27

Mathematics Elective Courses:

MATB320	Abstract Algebra	3
MATB350	Mathematical Analysis III	3
MATB352	Introduction to Stochastic Calculus	3
MATB353	Time Series Analysis	3
MATB354	Applied Linear Algebra	3
MATB355	Numerical Matrix Analysis	3
MATB356	Introduction to Computational Intelligence	3
MATB357	Mathematical Modeling	3
MATB358	Topics in Applied Mathematics	3
MATB360	Introduction to Financial Mathematics	3

Course Description

PhD PROGRAMMES

APME801 SOLID STATE PHYSICS

In this course, the behavior of atoms and shared electrons in solids will be described by classical physics and quantum mechanics. The discussion of solid with crystalline structure will be one of the emphases. Some properties of crystal such as defects, disorder and thermal vibration will be studied. Then, band theory will be investigated. The physics of p-n junction semiconductor will also be introduced. Materials will be classified by models of magnetism as well as electric properties.

Pre-requisite: None

APME803 ADVANCED INSTRUMENTATION FOR MATERIALS CHARACTERIZATION

Introduction of commonly used materials characterization methods (XPS, SEM, AFM, XRD, XRF, Raman, XPS), including their theory of operation and hands-on experience. Includes a discussion of the measurement process and instrumental analysis of samples.

Pre-requisite: None

APME807 THIN FILM PHYSICS

Definition of thin films. Environment and molecular and plasma processes in thin film deposition. Cold and thermal plasma. Requirement for substrate, substrate cleaning. Formation of thin films. Properties of thin films. Mechanical, electrical, thermal, chemical, and optical properties of thin films. Thermal evaporation. Laser ablation, synthesis of nanomaterials. Electrical discharges used in thin film deposition. Practical electric discharge configuration for deposition of thin films, direct current electric discharges, radio-frequency discharges, microwave discharges, electron cyclotron resonance plasma, matching units, floating potential, bias potential, plasma potential, effective bias, self-bias. Physical deposition techniques. Chemical vapor deposition techniques (CVD). Other processing technologies.

Pre-requisite: None

APME814 ADVANCED ELECTROCHEMICAL ENERGY CONVERSION AND STORAGE

This advanced course introduces principles, mathematical models and implementation of electrochemical energy conversion and storage. The principle of electrochemistry is introduced, including components of an electrolytic cell, Nernst's equation, thermodynamics and electrokinetics. The basic of power conversion is also introduced, including power electronics switches, converters and their control. The applications to batteries, solar cells, fuel cells and other emerging energy generation technologies are explored.

Pre-requisite: None

APME818 COMPUTATIONAL MATERIALS

Computational knowledge and techniques of quantum simulation and molecular dynamics simulation. Examples are given for calculation of electronic states, expectation of physical properties of nanostructured materials.

Pre-requisite: None

APME819 ADVANCED MATERIALS SCIENCE

A historical account of the discovery and development of materials science, including in-depth discussion of metals, ceramics, polymers, and semiconductors. Fundamental knowledge in development of nanostructured materials, introduction to the most updated research achievements in advanced functional materials, semiconductors, spintronic semiconductors, high-efficient solar cell materials, high-Tc superconducting materials, transparent conducting materials, etc.

Pre-requisite: APME801

APME820 ADVANCED OPTOELECTRONICS

Brief introduction of semiconductor physics and condensed matter physics. Theory of the interaction between light and matter. Optical gain, light transmission and absorption in media. Applications of light emission device and photo-electric transfer device. Principle and structure of selected photoelectric device.

Pre-requisite: APME825

APME821 ADVANCED LASER SPECTROSCOPY TECHNOLOGY

Provide essential knowledge for the research frontiers in ultrafast laser spectroscopy and novel optical materials. Topics include: laser fundamentals, linear and nonlinear optical spectroscopy, time-resolved spectroscopy, single molecule spectroscopy, fluorescence and Raman microscopy, optical manipulation, optical properties of novel materials and some optoelectronic applications.

Pre-requisite: APME825

APME822 TRANSMISSION ELECTRON MICROSCOPY

Introduction to imaging and diffraction analysis with transmission electron microscopy. Common sample preparation techniques. Basic diffraction theory and imaging principles using different imaging techniques, including bright field, dark field, high resolution and z-contrast imaging. Working principles of related compositional analysis techniques, including energy dispersive X-ray spectroscopy (EDS) and electron energy loss spectroscopy (EELS). Hands-on operation of the microscope can be optional.

Pre-requisite: APME801

APME823 ADVANCED TOPICS IN APPLIED PHYSICS AND MATERIALS ENGINEERING TECHNOLOGY

The course focuses on helping students to understand recent advanced topic series presented by the professors who are listed in the APME PG Programme and guest speakers, on most updated frontier researches in applied physics and materials engineering.

Pre-requisite: None

APME824 SPECIAL TOPICS IN APPLIED PHYSICS AND MATERIALS ENGINEERING

Any specialized topic in Applied Physics and Materials Engineering chosen by the staff member who has experience in that particular field, but the topic is not covered by the other postgraduate courses in the PhD Programme.

Pre-requisite: None

APME825 ADVANCED QUANTUM MECHANICS

History and philosophy of quantum mechanics will first be reviewed in this course. Wave function and its statistical interpretation will be investigated. Time-independent Schrodinger equation will be discussed with some examples of infinite square well, finite square well and harmonic oscillator, etc. Then, hydrogen atom will be studied by Schrodinger equations in three dimensions. Furthermore, wave function of two-particle systems, atoms and solids will be introduced. The parts of application cover contents of perturbation theory, variational principle, WKB approximation and adiabatic approximation.

Pre-requisite: None

APME826 ADVANCED ELECTROMAGNETISM

In this course, electrostatics including electric field, Gauss's law, electric potential, work and energy and properties of conductors will be first introduced. Laplace's equation, method of images, separation of variables and multipole expansion will be studied for calculating potentials. Electric field will be revisited for dielectric materials. Magnetic force and field will then be studied by Lorentz force law and Biot-Savart law. Properties of magnetic materials for diamagnetism, paramagnetism and ferromagnetism will be discussed. The properties of electromagnetic waves in conductors and nonconducting materials will be discussed.

Pre-requisite: APME825

APME827 RESEARCH ETHICS

The course provides students with an understanding of the following issues:

- The need for research ethics and the responsibility of the researcher (the student)
- The most common types of academic dishonesty (such as fabrication and plagiarism)
- How to avoid committing acts of academic dishonesty (such as through using citations and references)

Pre-requisite: None

APME899 DOCTORAL THESIS

An independent investigation under the supervision of a faculty staff member.

Pre-requisite: None

CIEE805 ADVANCED TOPICS IN CIVIL ENGINEERING

Any specialized topics in Civil Engineering chosen by staff members who have experience in that particular field, but the topics are not covered by other postgraduate courses.

Pre-requisite: None

CIEE899 DOCTORAL THESIS

An independent investigation under the supervision of a faculty staff member.

Pre-requisite: None

COIS823 ADVANCED TOPICS IN COMPUTER SCIENCE

Any specialized topic in Computer Science chosen by staff member who has experience in that particular field, but the topic is not covered by the other postgraduate courses.

Pre-requisite: None

COIS899 DOCTORAL THESIS

An independent investigation under the supervision of a faculty staff member.

Pre-requisite: None

ELCE818 ADVANCED TOPICS IN ELECTRICAL AND COMPUTER ENGINEERING

Any specialized topic in Electrical and Computer Engineering chosen by staff member who has experience in that particular field, but the topic is not covered by the other postgraduate courses.

Pre-requisite: None

ELCE899 DOCTORAL THESIS

An independent investigation under the supervision of a faculty staff member.

Pre-requisite: None

ELME810 ADVANCED TOPICS IN ELECTROMECHANICAL ENGINEERING

Any specialized topic in Electromechanical Engineering chosen by staff member who has experience in that particular field, but the topic is not covered by the other postgraduate courses.

Pre-requisite: None

ELME899 DOCTORAL THESIS

An independent investigation under the supervision of a faculty staff member.

Pre-requisite: None

MATH827 ADVANCED TOPICS IN MATHEMATICS

Any specialized topic in Mathematics chosen by staff member who has experience in that particular field, but the topic is not covered by the other postgraduate courses.

Pre-requisite: None

MATH899 DOCTORAL THESIS

An independent investigation under the supervision of a faculty staff member.

Pre-requisite: None

SCTE802 RESEARCH WRITING

The course focuses on helping students to make academic presentations whether verbally (as in a conference) or in writing (as in a paper). Topics include:

- How to write a research proposal
- How to structure a presentation (on paper and in power point)
- Tenses used in various parts of a paper presentation
- How to structure clear logical paragraphs
- How to be concise
- How to avoid ambiguity and different writing styles (for example, conventions for use of numbers, abbreviations, etc.)

Pre-requisite: None

SCTE803 RESEARCH METHODS AND ETHICS

This course aims to provide PhD students with research skills that are essential to become a successful researcher. The need for research ethics and the responsibility of the researcher (the student) and to avoid committing acts of academic dishonesty (such as through using citations and references). The topics of this course will include research methodology, professional ethics and academic integrity, and oral presentation and paper writing techniques. Students will be required to perform a literature survey, to construct a research proposal, and to write a paper summary in the style of formal scientific paper, in one of their familiar research topics.

Pre-requisite: None

MASTER'S DEGREE PROGRAMMES**CIEE701 ADVANCED MATHEMATICS**

This course introduces fundamental concepts of linear operator theory. It serves as an advanced level mathematics course for engineering students. Instead of doing computations only, this course emphasizes also fundamental concepts, such as existence, uniqueness and stability. With the knowledge of the course, students will be equipped to study other advanced level mathematics courses.

Pre-requisite: None

CIEE702 THEORY OF ELASTICITY AND PLASTICITY

This course intends to provide students a comprehensive knowledge on the theory of elasticity and plasticity. The course focuses on the following topics: continuous medium, Cartesian tensors, deformation, displacement and strain tensors, compatibility conditions, external and internal forces, equilibrium, stress tensors, principal stresses, invariants and stress deviators, Mohr's circle, constitutive law, plasticity theory, yield and failure criteria, stability postulates, laws of mechanics, Navier's equations, plane stress and plane strain problems, variational principles, general theory of plane strain for perfectly plastic materials.

Pre-requisite: None

CIEE703 FINITE ELEMENT METHOD

Basic concepts. Virtual work and energy methods. Weighted residual methods. Rayleigh-Ritz and Galerkin methods. Finite element displacement method. Interpolation functions. Plate stretching and plane strain. Triangular elements. Isoparametric elements. Three dimensional stress analysis. Plate bending. Field problems. Vibrations. Stability. Nonlinear behaviour. Hybrid elements.

Pre-requisite: None

CIEE704 ADVANCED SOIL MECHANICS

The emphasis of this course is on the practical knowledge of soil behavior required by civil

engineers for design and construction of geotechnical projects. Two most important topics of soil mechanics, consolidation and shear strength of soils, will be discussed in detail.

Pre-requisite: None

CIEE705 SUBSURFACE INVESTIGATION AND SOIL TESTING

The aim of this course is designed to provide postgraduate civil engineering students an advanced knowledge of geotechnical site investigation and soil testing. It includes site investigation procedures, planning and reporting, methods of subsurface investigation; ground or soil exploration includes boring, sampling soils and rocks; description and classification of soils and rocks, determination of stratigraphy and engineering properties by different types of field tests and laboratory tests; estimation of soil properties for foundation design and geophysical methods for site investigation.

Pre-requisite: None

CIEE706 ADVANCED FOUNDATION ENGINEERING

Shallow foundations. Bearing capacity of foundations on homogeneous soils and layered soils. Estimation of settlements. Measures to minimize damage. Analysis of combined footings and rafts. Pile foundations. Piles subjected to lateral loads. Displacement of pile group under axial and lateral loads. Foundation design for fills. Foundations for transmission towers.

Pre-requisite: None

CIEE707 SOIL DYNAMICS

Dynamics of elastic systems. Single and multi-degree of freedom systems. Wave propagation in soil. Deformation and elastic properties of soils. Types of machine foundations. Mass-spring-dashpot model and elastic half space theory. Foundations for reciprocating machines and hammer foundations. Construction aspects of machine foundations. Foundations for miscellaneous machines. Vibration isolation and dampers.

Pre-requisite: None

CIEE708 STRUCTURAL DESIGN OF FOUNDATIONS

Conventional structural design of continuous footings, individual footings, combined footings and rafts of various types subjected to vertical loads, lateral loads and moments. Design of circular rafts. Soil-structure interaction and design of foundation using flexibility approach. Structural design of piles and pile caps, under-reamed piles piers and caissons. Structural design of retaining structures.

Pre-requisite: None

CIEE709 SPECIAL TOPICS IN GEOTECHNICAL ENGINEERING

This is a course for postgraduate students to understand the principles of geotechnical earthquake engineering. The basic concepts of seismology will be covered. Basic principles of wave propagation and ground response analysis will be presented. Advanced topics including liquefaction and seismic slope stability will also be covered.

Pre-requisite: None

CIEE710 STRUCTURAL VIBRATIONS

This course introduces fundamental concepts of structural dynamics. It serves as an introductory course for graduate students in civil and mechanical engineering. This course starts from fundamental concepts and formulation of structural dynamic problems. Then, analysis in time-domain and frequency-domain will be introduced. Numerical methods will be delivered with consideration in accuracy, efficiency and stability.

Pre-requisite: None

CIEE711 PLATES AND SHELLS

Basic concept of plates and shells will be introduced such as small deflection theory of elastic thin plates, rectangular plates, circular plates, plates on elastic foundation, in plane forces, buckling of plates, large deflections of plates, membrane theory of shells, bending theory of

shells, shallow shells, cylindrical shells, buckling of shells.

Pre-requisite: None

CIEE712 STRUCTURAL ANALYSIS AND FINITE ELEMENTS

This course focuses on the following topics: finite element modeling for analysis of tall buildings, frame structure, shear wall structure, wall-frame structure, space structure, core structure, and core wall structure, tube structure, outrigger-braced structure, giant structure, stability and dynamics of structures, the analysis and behavior of various structures.

Pre-requisite: None

CIEE713 SPECIAL TOPICS IN STRUCTURAL ENGINEERING

Members of the staff will arrange special courses on advanced topics for properly qualified graduate students. The course code CIEE713, CIEE721 and CIEE722 will be used in turn.

Pre-requisite: None

CIEE714 NUMERICAL MODELING IN GEOMECHANICS

This course introduces constitutive models of soils and numerical modeling in geotechnical engineering. Soil constitutive models, such as Linear Elastic, Elasto-Plastic, and Cam-Clay models are discussed. Basic background of the finite element (FE) technique is briefly introduced with emphasis on geotechnical applications. A finite element commercial programme (SIGMA/W) is introduced to students to analyze geotechnical problems. The course aims to provide students essential knowledge on soil behavior, numerical modeling, and their applications in geotechnical engineering.

Pre-requisite: None

CIEE715 RANDOM VIBRATIONS OF STRUCTURES

This course focuses on the following topics: random variable; random process; correlation function; power spectral density function; properties of linear systems; response of linear SDOF systems to random excitation; responses of linear MDOF systems to random excitation; probability density responses of linear systems; reliability analysis of linear systems; introduction to nonlinear random vibrations.

Pre-requisite: None

CIEE716 BEHAVIOR AND DESIGN OF STEEL MEMBERS

This course is designed to introduce the behaviour and design of steel structural members according to the limit states design concept. The behaviour and design of the following topics will be discussed: (1) Steelmaking, Steel Properties, Design Philosophy, (2) Torsion of beam (St. Venant torsion, warping torsion of W-shapes, solution of torsion problem), (3) Beam (Beam classifications - Bending moment and shear capacity. Lateral torsional buckling), (4) Plate Girders (Local buckling, plastic action and moment redistribution, lateral buckling under uniform moment and special loading cases, inelastic effects, elastic and inelastic shear behaviour of plate girder), (5) Axially Loaded Members (Elastic and inelastic buckling theories, effect of residual stresses and initial curvature, local buckling), (6) Beam-Columns (In-plane behaviour, ultimate strength, out-of-plane behaviour, elastic and inelastic stability, local buckling). Students are expected to obtain advance knowledge about the design and failure mode of steel structural members after finished this course.

Pre-requisite: None

CIEE717 GROUND IMPROVEMENT TECHNIQUES

Soil densification, Compaction Control Tests, Preloading and use of vertical sand drains, In-situ reinforcement- stone columns, soil nailing, micropiles, ground anchors, rock bolts, Flexible Geosynthetic sheet reinforcement.

Pre-requisite: None

CIEE718 SLOPE STABILITY AND EARTH RETAINING STRUCTURES

Engineered Slopes, Landslides, Slope Stability Concepts- modes of failure, infinite slopes,

Analysis of various shapes of failure surfaces, Method of slices, design charts, Slope Stabilization Methods, Earth Pressure theories, lateral pressures due to external loads, compaction pressures, design of earth retaining structures, backfilled walls, supported excavations.

Pre-requisite: None

CIEE719 SPECIAL TOPICS IN GEOTECHNICAL ENGINEERING I

Principles of measuring methods and instrumentation systems in civil engineering are discussed, including static and dynamic characteristics of signals, common sensors in civil engineering, sampling theory, digital devices and data acquisition system. Recent advances in laboratory testing of soils like the stress path controlled triaxial test, resonant column test and wave-based testing techniques are also discussed in the course. The aim of the course is to provide the students a fundamental understanding of the design of a measuring system and an advanced knowledge of nowadays civil engineering testing techniques.

Pre-requisite: None

CIEE721 SPECIAL TOPICS IN STRUCTURAL ENGINEERING I

Members of the staff will arrange special courses on advanced topics for properly qualified graduate students. The course code CIEE713, CIEE721 and CIEE722 will be used in turn.

Pre-requisite: None

CIEE722 SPECIAL TOPICS IN STRUCTURAL ENGINEERING II

Members of the staff will arrange special courses on advanced topics for properly qualified graduate students. The course code CIEE713, CIEE721 and CIEE722 will be used in turn.

Pre-requisite: None

CIEE723 ADVANCED APPLICATIONS OF STRUCTURAL DYNAMICS

Revision of structural vibrations, Monte Carlo simulation and its limitations, First-order reliability method (FORM) and second-order reliability method (SORM), Importance sampling and computational issues, Vibration control, System identification and damage detection, Bayesian methods, Other updated topics.

Pre-requisite: None

CIEE725 ECONOMIC ANALYSIS AND FINANCIAL MANAGEMENT IN ENGINEERING

The course is to cover the fundamental principles needed by construction managers to successfully manage the finances of construction companies. These principles include accounting for financial resources, managing costs and profits, managing cash flows and making financial decisions.

Pre-requisite: None

CIEE726 FRACTURE MECHANICS AND FATIGUE

Linear elastic fracture mechanics, Concept of Stress intensity factor, Correction factors of stress intensity factor, Numerical methods for stress intensity factor determination, Introduction to the elastic plastic fracture mechanics. Assessment of residual life of structural members.

Pre-requisite: None

CIEE727 RELIABILITY ANALYSIS IN CIVIL ENGINEERING

This course focuses on the following topics: development of design code in civil engineering, randomness in civil engineering, limit state design and performance function, reliability analysis, reliability-based design criteria and factors in design codes, system reliability, further development and research topics on reliability analysis in civil engineering.

Pre-requisite: None

CIEE728 INSTRUMENTATION SYSTEMS IN CIVIL ENGINEERING

This course is designed to introduce the concept and application of instrumentation system in Civil Engineering. The following topics will be discussed in the class: (1) Instrumentation

systems, Signals and Errors, (2) Characteristics of instruments – Transducers, Noise and Nonlinearity, Static characteristics, Dynamic characteristics, (3) Signal conditioning – Introduction, Operating amplifier, Applications of Op-amps, filtering, (4) Data acquisition – Analog devices, Digital Devices, Sampling Theorem, Nyquist frequency, Quantization error, (5) Noise Reduction – Interference, Shielding, Grounding, Noise mode, Noise elimination or reduction, (6) Instruments and Sensors – Strain gauge, LVDT, Pressure transducer, Load cell (7) Signal Processing – Sampling Theorem, Laplace-transform and Z-transform. Students are expected to obtain knowledge about the background theory and application of different type of instruments used in Civil Engineering.

Pre-requisite: None

CIEE729 CONSTITUTIVE MODELING IN SOIL MECHANICS

Constitutive modelling is an important subject in continuum mechanics. This course focuses on the physical and mathematical principles of constitutive modelling with emphasis on soil mechanics. Elasticity and plasticity frameworks for isotropic and anisotropic soil modelling are discussed. Critical state hardening models such as the original Cam clay and modified Cam clay are elaborated in details. The concept of bounding surface and more advanced state-dependant dilatancy models are introduced. The course aims at providing students a fundamental understanding of the constitutive modelling techniques in soil mechanics.

Pre-requisite: None

CIEE730 ANALYSIS AND DESIGN OF REINFORCED CONCRETE MEMBERS

This course intends to provide students the knowledge on both analytical and design aspects of reinforced concrete and prestressed concrete members. The course focuses on the following topics: the analysis and design of both statically determinate and indeterminate prestressed concrete members, the analysis and design of prestressed concrete composite sections, the limit analysis of reinforced concrete slabs, and the strut-and-tie method.

Pre-requisite: None

CIEE731 HYDRODYNAMICS

In this course the fundamentals of fluid mechanics are developed in the context of hydraulic and environmental engineering. The course is designed for students who wish to learn more about the fundamentals of fluid mechanics. Topics discussed during the course of the class include Scalar and Vector, Tensors, Kinematics, Conservation of mass, Momentum equations, Equations for mechanical energy, Newtonian fluids and the Navier-Stokes equations, Boundary conditions, some exact solutions, Dimensional analysis and scaling, Stream function and velocity potential, Bernoulli equation, Vorticity dynamics, Flow around circular cylinder, Two-dimensional potential flows, Added mass, laminar boundary layers, some low, moderate, and high Reynolds number flows, Turbulence, an Reynolds equations.

Pre-requisite: None

CIEE732 ENVIRONMENTAL FLUID MECHANICS

Fick's law, the random walk and molecular diffusion, solutions of the diffusion equation, advective diffusion, turbulent diffusion, dispersion in laminar, turbulent, unsteady and unbounded shear flows, dispersion in two dimensions, turbulent mixing in rivers, one-dimensional dispersion in rivers, mixing in estuaries driven by wind, tide, and river, vertical and transverse mixing in estuaries, one-dimensional analysis of wastes dispersion in estuaries, jets and plumes, buoyant jet, introduction to river and estuary models.

Pre-requisite: None

CIEE733 SEDIMENT TRANSPORT

Properties of water and sediment; incipient motion criteria and applications; resistance to flow and bed forms; bed-load transport; suspended load transport; total load transport; sediment transport functions; reservoir sedimentation.

Pre-requisite: None

CIEE736 MUNICIPAL SOLID WASTE MANAGEMENT

Integrated Solid Waste Management: Throughout this course, the management of our society's waste will be covered in a manner that meets public health and environmental concerns and the public's desire to reduce, reuse, and recycle waste materials. The engineering principles, the data, the engineering and scientific formulas, and examples of the day-to-day issues associated with the management of municipal solid waste (MSW) will be discussed. Starting from the introductory materials in integrated MSW, materials recovery, processing, and waste transformation, and integrated MSW policy issues will also be covered. Eventually the reflective and logical way of thinking regarding the problems and solutions in solid waste engineering will be nourished.

Pre-requisite: None

CIEE737 ENVIRONMENTAL CHEMISTRY

Many aspects of environmental engineering involve the treatment of water for human consumption and the treatment of wastes prior to their release into the environment. In addition, an understanding of the chemical fate of pollutants in the environment is important. Water chemistry and chemical reactions are therefore important in both engineered treatment processes and in natural systems in which wastes may be attenuated.

Pre-requisite: None

CIEE738 WATER AND WASTE WATER TREATMENT: PRINCIPLES AND APPLICATION

Chemical reactor principles: Mixing continuous and plug flow reactors, chemical reaction kinetics; Physicochemical principles of unit operations of water treatment processes; Biological principles for waste water treatment processes: Activate sludge treatment and biofilm treatment; Urban sewage treatment and disposal.

Pre-requisite: None

CIEE739 WATER POLLUTION CONTROL: PHYSICAL AND CHEMICAL MODELING

Carbonate buffering systems of natural waters: acid and base equilibrium; Inorganic species in natural waters: solid dissolution and precipitation equilibrium; Metal behavior in natural waters: metal-ligand complex formation; Redox reactions in natural waters: equilibrium and kinetics; Particulate matters in natural waters: aqueous surface chemistry.

Pre-requisite: None

CIEE740 ENVIRONMENTAL ASSESSMENT AND PLANNING: COMPUTER MODELING

General methods for environmental assessment and planning: pollution monitoring, pollution source and pathways, impacts on environment, pollution control; Linear and non-linear multi-objectives programming; Regional planning of air and water pollution control; Urban development vs. environmental planning.

Pre-requisite: None

CIEE741 AIR POLLUTION CONTROL

Air quality and meteorological conditions; Air pollution index and indicators; Air pollution control: strategies and technologies; Aerosols; Vehicular emission pollution; Toxic organic air pollution; Global environmental issues: acid rain; global warming; ozone depletion.

Pre-requisite: None

CIEE742 SPECIAL TOPICS IN ENVIRONMENTAL ENGINEERING

(Subtitle: Biological Wastewater Treatment)

Principles of microbiological, biochemical, and biophysical processes used in environmental waste treatment and remediation processes, with particular emphasis on water quality control processes.

Pre-requisite: None

CIEE743 AIR POLLUTION METEOROLOGY AND CHEMISTRY

It is designed to provide a rigorous, comprehensive treatment of the chemistry of air pollutants in

the ambient air, the meteorology of air pollution, and the transport, diffusion and removal of the pollution species in the atmosphere. In this course, students will learn the methods and models, which would allow to predict the concentration profile that would result from any specified set of pollution emissions for any specific meteorological conditions at any location for any period.

Pre-requisite: None

CIEE744 SPECIAL TOPICS IN ENVIRONMENTAL ENGINEERING I

(Subtitle: Remediation of Contaminated Soil and Groundwater)

This course will nourish students with their capabilities of selecting and/or developing remediation technologies appropriate for the causes and characteristics of contamination of the subsurface environment, soil and groundwater. This course will especially be focused on studying the causes of contamination of soil and groundwater, the characteristics and behaviors of contaminants, and the physical/chemical/biological/thermal remediation technologies.

Pre-requisite: None

CIEE745 SPECIAL TOPICS IN ENVIRONMENTAL ENGINEERING II

(Subtitle: Physical and Chemical Water Treatment)

Physical-chemical treatment processes for the treatment of water, including sedimentation, flotation, filtration, coagulation, oxidation, disinfection, precipitation, adsorption, and membrane treatment processes. Current issues in drinking water quality and treatment are discussed.

Pre-requisite: None

CIEE747 SPECIAL TOPICS IN ENVIRONMENTAL ENGINEERING III

(Subtitle: Environmental Biotechnology)

This course reflects the most current and exciting fields of environmental science engineering, as a combination of ET (Environmental Technology) and BT (Bio-Technology) and would enable students first to connect two different facets of environmental biotechnology, principles of environmental microbiology and environmental engineering. They can develop the basic concepts and quantitative tools in the principles part and then can apply those in the applications part. They will be able to, in the long run, exploit microbiological processes to improve environmental quality, such as preventing the discharge of pollutants into the environment, cleaning up contaminated environments, and recovering valuable resources for human society. For students not already having a solid background in environmental microbiology, this course will also provide fundamentals in taxonomy, metabolism, genetics, and microbial ecology, by addressing the microbiology concepts that are most essential for understanding the principles and applications of environmental biotechnology.

Pre-requisite: None

CIEE748 QUANTITATIVE METHODS FOR CONSTRUCTION DECISION MAKING

This course aims to provide sound and comprehensive coverage of the concepts of quantitative methods for construction decision making. Topics include: analytic hierarchy process (AHP), decision tree analysis, inventory analysis, simulation techniques, linear, mixed-integer and goal programming, dynamic programming.

Pre-requisite: None

CIEE749 QUALITY AND SAFETY MANAGEMENT IN CONSTRUCTION

This course aims to provide sound and comprehensive coverage of the concepts of quality management and safety management for the construction industry of Macao, as compared to their international practices.

Pre-requisite: None

CIEE797 APPLIED THESIS

An independent project under the supervision of a faculty staff member. The goal of this thesis work is to facilitate the integration of practice with existing academic research or advanced technologies. The project must relate to the subject matter and be agreed by the department.

Pre-requisite: None

CIEE798 ACADEMIC THESIS

An independent and original research study under the supervision of a faculty staff member. The topic of research must be in line with the stream taken by the student. In general, the study could result in a technical publication or a presentation at a professional meeting.
Pre-requisite: None

COIS701 FUNDAMENTALS OF SOFTWARE ENGINEERING

The course discusses the theories, methods and tools of software engineering for developing large and complex software systems. The main contents are requirement, specification, system analysis and modeling, software design, architectural design, object-oriented design, functional-oriented design, verification and validation. Unified Development Process based on Modeling Language (UML) as well as its CASE tool are used to software system analysis and design combining with the course projects.

Pre-requisite: None

COIS702 COMPUTER COMMUNICATIONS AND NETWORKS

Introduction to computer network high level protocols, internetworking techniques, client server architecture, API for Networking programming, High speed networks and ATM technology, Network management, Mobile and Wireless communication technology. The Important protocols for Internet in TCP/IP suit protocols will be discussed in detail.

Pre-requisite: None

COIS704 CURRENT DEVELOPMENT IN DATABASE

The course introduces Distributed DBMS architecture, distributed database design, semantic data control, distributed query processing, distributed transaction management, distributed concurrency control, distributed DBMS reliability, database interoperability, e-commerce application development and deployment with HTML, Web server, Java applet, CORBA, JavaBean, and DB server technologies.

Pre-requisite: None

COIS705 COMPUTER SCIENCE SEMINAR

Under the supervision of academic staff, students will search the literature for a topic in computing that is of interest to them, and give a presentation on the state of the art technology. Visiting researchers and staff members may also present their research work.

Pre-requisite: None

COIS706 COMPILER CONSTRUCTION

Design of compilers for block-structured general-purpose programming languages. Automatic generation of lexical analyzers and parsers. Error detection and correction. Code optimization.

Pre-requisite: None

COIS707 DESIGN AND ANALYSIS OF ALGORITHMS

Principles of design of efficient algorithms: recursion, divide and conquer, balancing, dynamic programming, greedy method, data structure selection. Correctness and analysis of algorithms. Examples drawn from problems in sorting, searching, set manipulation, pattern matching, graphs, matrices, polynomials, and integers.

Pre-requisite: None

COIS708 COMPLEXITY THEORY

Models of computation, such as Turing machines and random access machines; nondeterminism and alternation. Computable and noncomputable functions. Time and space complexity, complexity hierarchies, NP-completeness, and provably difficult problems. Proof techniques, such as simulation, diagonalization, and reducibility.

Pre-requisite: None

COIS709 FORMAL METHODS IN SOFTWARE ENGINEERING

Formal models and methods and their application in all phases of software engineering process; operational, algebraic, model-based and property-based specification methods; verification of consistency and completeness of specifications; verification of properties of software; specification construction and verification using method-based tools.

Pre-requisite: None

COIS710 DISCRETE SYSTEM SIMULATION

Principles of simulation of discrete, event-oriented systems. Model construction, simulation and validation; relationship to other techniques for system analysis and design.

Pre-requisite: None

COIS711 COMPUTER SYSTEM PERFORMANCE MODELING

Use of queuing network models as tools to evaluate the performance of centralized and distributed computer systems.

Pre-requisite: None

COIS712 COMPUTER GRAPHICS - PRINCIPLES AND SYSTEMS

This course introduces the generation of graphics by computers with or without human interaction. The contents include hardware and software of computer graphics, graphics modeling, graphical transformations, realistic image synthesis and illumination techniques, interactive methods and user interface, graphics programming languages and systems.

Pre-requisite: None

COIS713 PRINCIPLES AND APPLICATIONS OF ARTIFICIAL INTELLIGENCE

Overview of Artificial Intelligence Application Areas, Languages and Programming Techniques for Artificial Intelligence, Problem Solving, Knowledge-based Systems, Knowledge Representation, Planning, Machine Learning, Natural Language Processing, Genetic Algorithms.

Pre-requisite: None

COIS714 ADVANCED TOPICS IN COMPUTER SCIENCE

This course introduces students to advanced topics in Computer Science. The detailed contents may change from year to year depending on current developments and teacher specialization.

Pre-requisite: None

COIS715 ADVANCED TOPICS IN COMPUTER SCIENCE I

To introduce the most advanced technologies in the field of Computer Science.

Pre-requisite: None

COIS716 ADVANCED TOPICS IN COMPUTER SCIENCE II

To introduce the most advanced technologies in the field of Computer Science.

Pre-requisite: None

COIS717 PRINCIPLES AND APPLICATIONS OF CONCURRENT PROGRAMMING

The aim of the course is to introduce the principles of concurrency and concurrent programming languages. The main contents are processes, concurrency, synchronous and asynchronous communication, non-determinism, shared variables and resources, deadlock, safety and liveness, event-driven multithreads, real-time distributed and concurrent systems, concurrent programming languages (Java, CSP).

Pre-requisite: None

COIS718 ADVANCES IN PATTERN RECOGNITION

This course introduces the fundamentals and advanced topics of pattern recognition for postgraduate students. It emphasizes both theory and applications of pattern recognition. Topics include overviews of general pattern recognition techniques, statistical decision theory,

linear discriminant functions, multilayer neural networks, supervised learning, unsupervised learning and clustering, and applications of pattern recognition (such as biometrics and multimedia database retrieval.)

Pre-requisite: None

COIS720 WEB MINING

The course will cover the fundamental concepts, principles and algorithms in the area of Web Mining. It will firstly give an introduction to the concepts of the traditional information retrieval systems and the principles of web search engines, then, the course will extensively discuss techniques and algorithms of web mining, including Link-Base analysis, web page classifications, web advertisement, recommendation algorithms, web information extractions, web image indexing. The course also requires each student to complete a related course project.

Pre-requisite: None

COIS722 DISTRIBUTED COMPUTING

The course introduces the principles underlying the theory, algorithms, and systems aspects of distributed computing. The instructor can decide the focus of the course and select the algorithms accordingly. For instance, if the focus is on systems-like problems, the selected algorithms can consist of logical time, causal communications, snapshot, mutual exclusion, leader election. The instructor can also choose topics like wireless networks, peer-to-peer networks, security etc. A software tool can be introduced for the analysis and verification of the algorithms.

Pre-requisite: None

COIS723 APPLIED NATURAL LANGUAGE PROCESSING

This course covers both the fundamental and advanced topics in Natural Language Processing (NLP), which deals with the application of computational models to text data. In this course, the core tasks in natural language processing will be examined, including minimum edit distance, language modelling, Naive Bayes, Maximum Entropy, text classification, sequence labelling, POS tagging, syntax parsing and computational lexical semantics. Modern NLP applications will be explored such as information retrieval, and statistical machine translation. Students will learn how to formulate and investigate research questions on related topics

Pre-requisite: None

COIS724 BIG DATA PROCESSING AND ANALYSIS

This course introduces the latest development of data engineering techniques, including data query processing (e.g., multi-dimensional data, sequence data, and spatial-temporal data) in cloud computing and HPC environments. Students will learn study and learn how to formulate and investigate the state-of-the-art problems and solutions on related topics.

Pre-requisite: None

COIS725 INTRODUCTION TO BUSINESS PROCESS MANAGEMENT

The course introduces students to the principles and methods of business process management. Topics include business process modeling foundation, process orchestrations, managing process flows, and process discovery techniques.

Pre-requisite: None

COIS797 APPLIED THESIS

An independent project under the supervision of a faculty staff member. An applied thesis focuses on combining existing academic theories or advanced technologies with an evaluation of a case study or industrial project. The goal of this option is to facilitate the integration of practice with academic research.

Pre-requisite: None

COIS798 ACADEMIC THESIS

An independent and original research study under the supervision of a faculty staff member. An academic thesis is a scholarly written document of a piece of original research on a particular topic in consistent with every details of research methodology. In general, the study could result in a technical publication or a presentation at a professional meeting.

Pre-requisite: None

ECOM701 INFORMATION SYSTEMS DEVELOPMENT METHODOLOGIES

The course introduces software development process and principles. In particular, Unified Modeling Language (UML) is introduced and applied to describe the information system analysis and design from high level design to low level implementation. Rational Rose CASE tool of UML is introduced and used for course project to specify the system requirement, analysis and design from static and dynamic aspects.

Pre-requisite: None

ECOM702 COMPUTER NETWORKS AND INTERNET

Introduction to computer network high level protocols, internetworking techniques, client server architecture, API for Networking programming, High speed networks and ATM technology, Network management, Mobile and Wireless communication technology. The Important protocols for Internet in TCP/IP suit protocols will be discussed in detail.

Pre-requisite: None

ECOM703 DISTRIBUTED DATABASE MANAGEMENT

The course introduces Distributed DBMS architecture, distributed database design, semantic data control, distributed query processing, distributed transaction management, distributed concurrency control, distributed DBMS reliability, database interoperability, e-commerce application development and deployment with HTML, Web server, Java applet, CORBA, JavaBean, and DB server technologies.

Pre-requisite: None

ECOM705 INTERNET PROGRAMMING AND JAVA TECHNOLOGY

This course introduces the principles of developing Internet software applications, and the technologies current in their development, including: static web content using HTML and CSS; dynamic web content using CGI and PHP; extensible markup using XML and XSL; client-side scripting using JavaScript; client-server programming using Java applets and Java applications; database access using JDBC; thin-client applications using Java servlets and JavaServer Pages; large-scale applications using Enterprise JavaBeans; and application interoperability using web services. Emphasis is placed on learning the technical skills and knowledge necessary for the design and development of Internet-based, and in particular web-based, systems.

Pre-requisite: None

ECOM706 DATA WAREHOUSING

The course will introduce data warehouse architecture, data modeling for a data warehouse, the processes of data warehousing, OLTP technologies.

Pre-requisite: None

ECOM707 DATA MINING AND DECISION SUPPORT SYSTEMS

The course will introduce principles and techniques of data-mining and knowledge-based decision support for E-Commerce. Topics will include clustering, regression, classification, estimation, forecasting, statistical analysis, warehousing principles, knowledge acquisition and representation, as well as decision support systems.

Pre-requisite: None

ECOM708 ADVANCED COMPUTER GRAPHICS AND MULTIMEDIA

This course introduces the generation of graphics and processing of multimedia by computers

with or without human interaction. The contents include hardware and software of graphics and multimedia, graphics modeling, graphical transformation, realistic image synthesis and illumination techniques, interactive methods and user interface, graphics programming languages and systems, internet graphics by VRML, Hypermedia, modeling and rendering of virtual environment, compression and rendering of image and sound.

Pre-requisite: None

ECOM709 INTERNET SECURITY AND CRYPTOGRAPHY

The course introduces fundamental technical issues concerning Internet security and applied cryptography. The areas covered are protecting information using symmetric and public key cryptography, key management, trust models and public key infrastructure, system security, authentication and handshake protocols, digital cash and payment mechanisms.

Pre-requisite: None

ECOM710 ELECTRONIC PAYMENT SYSTEMS

This course covers various methods of transferring payments over the Internet and compares their functionality. Topics include electronic money, electronic contracts, micro-payments, authenticity, integrity and reliability of transactions, the encryption and digital signature techniques needed to support electronic cash, and the technologies available to support secure transactions on the Internet.

Pre-requisite: None

ECOM711 SMART CARD TECHNOLOGY AND APPLICATIONS

This course covers the current state-of-the-art in smart card hardware and software. It emphasizes on designing systems and developing application programmes that incorporate smart card technologies. It also illustrates how smart card technology can be successfully employed in an information technology architecture.

Pre-requisite: None

ECOM712 LEGAL ISSUES OF IT AND E-COMMERCE

The course introduces about the principal legal problems generated by recent development in information technology and electronic commerce, and the possible solutions. Topics include privacy and data protection, patents and copyrights, contractual and tortious liability, and computer fraud.

Pre-requisite: None

ECOM713 TOPICS IN E-COMMERCE

This course will introduce students advanced topics in Electronic Commerce. The detailed contents may change from year to year depending on the current development and teacher speciality.

Pre-requisite: None

ECOM714 TOPICS IN E-COMMERCE (Electronic Marketplace)

Electronic marketplace is a fundamental subject of e-commerce technology. It provides a common online place for buyers, sellers and governments to interact with each to establish and fulfil e-business transactions. This course will introduce the electronic marketplace by describing its basic concepts, historical evolution, major functions, and technical construction methods. Through the course study, students will have learnt both the theories and practices about how to technically construct an e-marketplace in a given context and scenario.

Pre-requisite: None

ECOM715 TOPICS IN E-COMMERCE (E-Business Integration Technology)

E-Business Integration is a research course on how to integrate various vocabularies, business documents and business processes. It focuses on the aspects of e-business integration technologies on its framework, history, theory, technical approach and practice. The course will be taught in four key clues of e-business integration technology on standardization, enterprise

integration, outsourced service provision, and semantic integration.

Pre-requisite: None

ECOM797 APPLIED THESIS

An independent project under the supervision of a faculty staff member. An applied thesis focuses on combining existing academic theories or advanced technologies with an evaluation of a case study or industrial project. The goal of this option is to facilitate the integration of practice with academic research.

Pre-requisite: None

ECOM798 ACADEMIC THESIS

An independent and original research study under the supervision of a faculty staff member. An academic thesis is a scholarly written document of a piece of original research on a particular topic in consistent with every details of research methodology. In general, the study could result in a technical publication or a presentation at a professional meeting.

Pre-requisite: None

ELCE701 INTRODUCTION TO RESEARCH

This is one of the fundamental courses in the Electrical and Electronics Engineering Master of Science Programme and is intended that it will provide the student with the basic knowledge about what is the research of one specific topic in the specialized areas of Power, Control or Electronics leading the student to make a survey on that topic and afterwards to write a report about it. This report will serve as an important basis for the future Thesis research work (that is the reason why it is mandatory). The responsibility of supervising this course is given to the student's Supervisor.

Pre-requisite: None

ELCE702 ADVANCED MATHEMATICS

Laplace Transform. Transforms of Derivatives and Integrals. s-Shifting, t-Shifting, Unit Step Function, Dirac's Delta Function, Differentiation and Integration of Transforms, Convolution, The Heaviside Expansion Theorem, Periodic Functions. Fourier Series, Half-Range Expansion, Complex Fourier Series. Fourier Integrals. Fourier Transform. Series Solution of Differential Equations, Legendre Polynomial, Bessel Functions. Sturm-Liouville Problem, Eigenfunction Expansions. Partial Differential Equations. Separation Variables, Use of Fourier-Bessel Series, Use of Fourier-Legendre Series. Solution by Laplace Transforms, solution by Fourier Transforms.

Pre-requisite: None

ELCE703 TRANSIENT OF ELECTRIC MACHINES

This course is an important basis of analysing transients of various types of electrical machines and power systems.

Pre-requisite: None

ELCE704 MICROELECTRONIC CIRCUIT DESIGN

The primary goal of this course is to introduce basic electronic principles needed by the integrated circuit designer and to discuss engineering tradeoffs and practical considerations that are necessary for the student to make the transition from the classroom to industry as an integrated circuit designer. After the introduction of these principles, some basic circuits either digital or analog are presented together with one real advanced VLSI CMOS process. The evaluation is composed by several assignment works of simulation and layout design of basic circuits in the beginning of the semester and after mid-term the students will make a real IC design that will be implemented in a Multi-Project Chip.

Pre-requisite: None

ELCE705 DIGITAL SIGNAL PROCESSING

Orthogonal expansions, z-transformation and its properties. Band limited signals and sampling

theorem. Discrete-time systems. The design and realisation of digital filters. Non-recursive and recursive digital filtering. Multi-rate sampling. Auto-correlation and cross-correlation techniques. Matching filtering. Power frequency spectrum. Adaptive signal processing - random gradient method. The concept of Parametric Model and its applications for random signal power spectrum modern estimation, extraction and pattern recognition. Multi-channel signal processing by using Singular Value Decomposition (SVD). The introduction of Artificial Neural Networks.

Pre-requisite: None

ELCE706 ACTIVE NETWORK THEORY

Network Theory investigates the universal laws and the calculations of networks. Its contents, methods and style are always changed by the influence of era. Network analysis and synthesis has been transformed drastically, due to the emergence of digital computer and optimum method. And there are close and deep connections between network theory and system theory. Therefore, the basic achievements of the latter were introduced into the former, such as states, state equations and matrix algebra descriptions.

Pre-requisite: None

ELCE707 ADVANCED TOPICS IN CONTROL SYSTEMS

The course introduces the digital control system and intelligent control system. The topics discussed include modern design techniques for digital control system and fuzzy logic and control.

Pre-requisite: None

ELCE708 ADVANCED TOPICS IN SIMULATION

Simulation of electronic circuits with SPICE has replaced bread boarding as a powerful means of analyzing the performance of complex circuits (including IC circuits) and systems. Because of the huge number of devices contained in today's electronic circuits and systems, device model level has to be raised to a higher level, macro model in simulation. So macro modeling is a very powerful tool in simulation.

Pre-requisite: None

ELCE709 EXPERT SYSTEMS

In the past ten years research in the field of artificial intelligence has many important successes. One of the most significant has been the development of powerful expert or knowledge-based systems. In many world famous universities, the subject has already been treated as one of their core courses. We should of course attach importance to the subject in the making of our master training programme.

Artificial intelligence background (including intelligent supports of decision making, CIM and CA technologies). Problem analysis and selection. Knowledge acquisition. Knowledge representation. Reasoning under uncertainty. Selecting a development tool. Constructing the knowledge base. Knowledge-based technology. Verification, validation, and integration. Implementation and management strategies. Survey of electromechanical engineering and manufacturing applications. Case studies: samples of expert system development.

Pre-requisite: None

ELCE710 SPECIAL OPERATION MODES OF ELECTRIC MACHINES AND POWER SYSTEMS

This course analyses special operation modes of electric machines and power systems by use of the fundamental theory of transient processes of electric machines and power systems mentioned in another course Transients of Electrical Machines.

Pre-requisite: None

ELCE711 MICROELECTRONICS FOR TELECOMMUNICATION AND SIGNAL PROCESSING

The primary goal of this course is to present the most important functions that can be

encountered in most of the applications in Telecommunications and Signal Processing. These functions that include, namely: Sampling, Discrete-Time and Digital Filtering and A/D and D/A Conversion, are presented both in theory and practice. The theory includes the basic fundamentals associated with each function and the practice comprises the presentation of different architectures for implementation, using for example Switched-Capacitor and Digital Techniques. The evaluation is composed by 4 laboratory works of simulation and electronic testing that will include the design of filters, A/D and D/A converters. The Software used for simulation includes the SWITCAP II programme (for functional SC-simulation) and the HSPICE programme (for electronic simulation at the transistor level). The Hardware used for electronic design and testing includes the MF10 (Integrated Switched-Capacitor Filter) and the Digital Signal Processor - Texas TMS 320C25.

Pre-requisite: None

ELCE712 LASER AND SEMICONDUCTOR PHYSICS

The course includes two parts. Part one introduces concepts and characteristics of laser principles, theories, operations and optic fiber. Other technologies for laser cavity and laser beam are covered. For part two, the objective is for engineering students to understand and to apply the knowledge of quantum physics to the semiconductor applications. Student learns elementary properties of semiconductor, energy bands structure, carrier properties, devices properties and various semiconductor fabrication techniques.

Pre-requisite: None

ELCE713 ADVANCED TOPICS IN TELECOMMUNICATIONS

Brief review of signals, systems, sampling techniques and various transforms; Information theory and Communication in the presence of noise; Source and Channel encoding; Pulse-shaping and equalization in data transmission; Optimum receivers and estimation; Communication electronic components/modules designs; Topic discussion (PCS, Spread spectrum systems, etc.).

Pre-requisite: None

ELCE720 FLEXIBLE ALTERNATIVE CURRENT TRANSMISSION SYSTEM

The Flexible Alternative Current Transmission System and Distribution Flexible AC Transmission System (FACTS/DFACTS) are a new converging technology based on the Power Electronics, Control Theory and Power System for revolution of ever more efficient control and better utilization of power and energy in the existing systems. The FACTS offers an opportunity to enhance controllability, stability and power transfer capability of AC transmission systems with fastest control speed. DFACTS is the extended modern technique of FACTS to focus on the Custom issues or power line conditioning in the distribution site as well as the Information Technology's Electricity Issues. During the last decade, a number of control devices under the term FACTS/DFACTS technology have been proposed and implemented. This course provides a comprehensive guide to FACTS, covering all the major aspects in research and development of FACTS technologies. Various applications are also included to demonstrate the issues and benefits of applying FACTS. This course involved in the operation and control of modern power systems by FACTS technology.

Pre-requisite: None

ELCE721 EMBEDDED SYSTEM

This is a project oriented course of Embedded System for postgraduate students. It emphasizes general concepts and design techniques of embedded system. Topics include overview of embedded system, real-time system, hardware and software co-design, and components selection.

Pre-requisite: None

ELCE722 ADVANCED TOPICS IN ANALOG AND MIXED-SIGNAL INTEGRATED CIRCUITS

This course will provide a detailed discussion to the various types of analog and mixed-signal

integrated circuits, e.g. data conversion and RF communication ICs, which are the key components in electronic systems. The performance characterization of data converters and RF circuits will be presented, and various types of data converters (including analog-to-digital and digital-to-analog) and RF building block (low-noise amplifier and mixer) will be discussed. The students are expected to complete several design and simulation projects with the implementation of the whole data converters and RF building blocks and the projects are expected to lead to chip fabrications for experimental verification.

Pre-requisite: None

ELCE723 BIOMEDICAL TRANSDUCERS AND INSTRUMENTS

This is a course for postgraduate students. Topics include overview of biomedical transducers/sensors and biomedical instruments with emphasis on general concepts, principles, circuit design techniques and biomedical applications. The students are required to finish a project by the end of the course.

Pre-requisite: None

ELCE724 ELECTROCHEMICAL ENERGY CONVERSION AND STORAGE

This course introduces principles, mathematical models and implementation of electrochemical energy conversion and storage. The principle of electrochemistry is introduced, including components of an electrolytic cell, Nernst's equation, thermodynamics and electrokinetics. The basic of power conversion is also introduced, including power electronics switches, converters and their control. The applications to batteries, solar cells, fuel cells and other emerging energy generation technologies are explored.

Pre-requisite: None

ELCE725 SPECIAL TOPICS IN BIOMEDICAL ENGINEERING

The course will introduce a selected special topic in the Biomedical Engineering (BME) area, includes any specialized topic in BME chosen by the staff member who has experienced in that particular field, but the topic is not covered by other postgraduate courses. Students may register for this course multiple times as long as the topic is different.

Pre-requisite: None

ELCE726 Medical Imaging Systems

The course aims to introduce the physics and principles of operation behind the major medical imaging systems including X-ray radiography, computed tomography (CT), magnetic resonance imaging (MRI), ultrasound (US) and nuclear medicine imaging (SPECT and PET). Image quality such as impulse response, signal-to-noise, resolution and its tradeoffs with system design for different imaging modalities will also be discussed.

Pre-requisite: None

ELCE727 Modelling and Theoretical Analysis for Communication Systems

This course is designed to introduce fundamental knowledge on the several theoretic methods and how to use them to model and analyze different issues in communication systems such as resource allocation, routing, and protocol design in different communication systems. For instance, the strategic making decision can be used to analyze the spectrum sharing in cognitive radio networks. The VCG auction can be used to analyze the shortest path routing problem in communication systems. Reverse auction can be used to design incentive mechanism in the participatory sensing network. Coalitional activity can be used to analyze the cooperative relay networks. By learning this course, students should have deep understanding on these theoretic analysis methods and have the capability of using these methods to mathematically model and analyze various interactive problems in communication systems. All of these are assessed in assignments, presentations and projects.

Pre-requisite: None

ELCE797 APPLIED THESIS

An independent project under the supervision of a faculty staff member. An applied thesis

focuses on combining existing academic theories or advanced technologies with an evaluation of a case study or industrial project. The goal of this option is to facilitate the integration of practice with academic research.

Pre-requisite: None

ELCE798 ACADEMIC THESIS

An independent and original research study under the supervision of a faculty staff member. An academic thesis is a scholarly written document of a piece of original research on a particular topic in consistent with every details of research methodology. In general, the study could result in a technical publication or a presentation at a professional meeting.

Pre-requisite: None

ELME701 INTRODUCTION TO RESEARCH

Provide an academic background of research work for students' thesis under the coordination of the future supervisor. In the end the students have to write a report and discuss it with supervisor.

Pre-requisite: None

ELME702 PHYSICS OF MATERIALS

Atomic Theory: Hydrogen atom, Angular momentum and Pauli Exclusion Principle, Energy levels of atom, Energy bands, Fermi energy. Defects of materials. Dislocation: Edge dislocation, Screw dislocation, Burgers vector, Dislocation density, Elastic property of dislocation, Force on dislocation, Stress field and strain energy of dislocation, Dislocation motion and interaction, Dislocations in real crystal, Dislocations observation. Atomic structures and properties of some new materials.

Pre-requisite: None

ELME703 VARIATIONAL PRINCIPLES AND THE APPLICATION

Principle of minimum potential energy; Principle of minimum complementary energy; Ritz method; Galerkin method; Kantonowitch method; Trefftz method; Hellinger-Reissner principle; Hu-washizu principle; Lagrange multiplier; High order Lagrange multiplier; Variational principle of non-linear elasticity; Methods for establishing generalized variational principle; Variational principle and the relating theorems in limit analysis; Applications for FEM, for limit analysis, for to find solutions and for to derive formulas; Developments in research work.

Pre-requisite: None

ELME704 COMPUTER-AIDED GEOMETRY DESIGN

The course introduces the fundamentals of contemporary computer graphics and geometric modeling technologies and its applications in industry. It starts with an easy, intuitive introduction to analytic curves, splines and subdivision surfaces, based on repeated linear interpolation, and then gradually adds more math and details about algorithms, data structures, and applications. It covers geometric transformations, rendering techniques, techniques for the representation of smooth curves and surfaces including linear interpolation, Hermite curve, Bezier, B-spline, and NURBS; and techniques for creating objects with smooth surfaces.

Pre-requisite: None

ELME705 COMPUTER-INTEGRATED DESIGN AND MANUFACTURING

This course studies modern design and manufacturing techniques in the computer based environment. It is designed to address the key issues in product development with the goal of providing the future engineers with a thorough understanding of the concepts and technologies in computer integrated design and manufacturing. The major focus of the course will be on product design methods, process planning, CAD/CAM, optimization, facility management, production planning, cellular manufacturing, etc. Integration solutions among various heterogeneous systems will be introduced by discussion the centralized product data management and web based collaboration methods.

Pre-requisite: None

ELME706 MECHATRONICS

Mechanical system interfacing; Combinational digital logic; Synchronous sequential logic; Asynchronous sequential logic; Register transfer logic; Embedded control computers; Analog digital conversion; Position and velocity measurement; Operational amplifiers for analog signal processing; Power amplifiers.

Pre-requisite: None

ELME707 PROCESS HEAT TRANSFER

Application of fundamental principles of single- and two-phase fluid dynamics and heat transfer to the design and analysis of different types of heat exchangers, such as double pipe heat exchangers, shell and tube heat exchangers, fin-plate heat exchangers, cross flow heat exchangers.

Pre-requisite: None

ELME708 CONVECTIVE HEAT TRANSFER

Convective heat transfer occurs in almost all branches of engineering applications. This course will cover the followings. The equation of convective heat transfer, the differential equation for the boundary layer, the integral equation of the boundary layer, momentum and heat transfer for the laminar internal and external flow, the momentum and heat transfer for the turbulent internal and external flow, natural and mixed convections.

Pre-requisite: None

ELME709 COMPUTATIONAL METHOD FOR THERMO-FLUID SYSTEM

The purpose of this course is to use computational method to investigate heat transfer and fluid flow and other related processes that occur in engineering equipment. This course will cover: Discretization method. Explicit and implicit methods for heat conduction. Upwind, exponential, hybrid and power-law schemes for convection. Calculation of flow field use various algorithms.

Pre-requisite: None

ELME710 ENERGY CONVERSION AND UTILIZATION

Renewable energy resources. Solar energy, wind power, wave and tidal power, geothermal energy, hydroelectric power. environmental assessment of alternative energy resources.

Conventional energy resources, fossil fuel in solids, liquid and gaseous states. Nuclear energy. Energy analysis, energy economics, energy and society. Energy and the third world, energy conservation and energy policies.

Pre-requisite: None

ELME711 ADVANCED ROBOTICS AND CONTROL

Analyzes kinematic characteristics of planar and spatial manipulators. Differential kinematics and statics. Dynamics. Trajectory planning. Introduction to feedback control of physical system behavior. State-space and functional descriptions of linear and nonlinear systems. Feedback, stability, and robustness. Design of PID controllers and compensators. Interaction control. Actuators and sensors. Robot control architecture.

Pre-requisite: None

ELME714 FLUID POWER ENGINEERING

Basics of fluid flow and hydro-mechanics. Advanced pneumatic power systems. Advanced hydraulic power systems. Fluidics. Fluid logic control circuits. Modelling of fluid power systems. Fluid power system control. Dynamic analysis and simulation of fluid power systems. Fluid power plumbing and maintenance.

Pre-requisite: None

ELME715 INTELLIGENT THEORY AND MANUFACTURING

This course introduces the fundamentals of intelligent system technologies and their industrial applications. It will present the principles of knowledge-based systems, fuzzy logic and artificial neural networks and explore how manufacturing and automation could benefit from application

of these technologies. It will discuss the representation of knowledge, knowledge acquisition, Decision making mechanism, Learning and machine learning, as well as its applications in manufacturing (DFM, design automation).

Pre-requisite: None

ELME716 ADVANCED MANUFACTURING

This course will explore some aspects of advanced manufacturing. It will introduce the principles of Rapid Prototyping, including RP process, Laminated Object Manufacturing (LOM). Selective Laser Sintering (SLS), Stereolithography, and discuss the application of RP in manufacturing. Viewing from a high level, this course will present the advanced manufacturing processes. Issues of Concurrent Engineering and CIM will be discussed. It guides students through a product development cycle, and emphasizes modern Internet-based commercial activities between designers, rapid prototyping services and full-scale manufacturers.

Pre-requisite: None

ELME717 SPECIAL TOPICS IN MANUFACTURING I

Laser physics, types of lasers and laser radiation for material processing, laser hazards & safety, laser optics and beam delivery systems, laser beam interaction with materials, laser materials processing : laser surface engineering, laser cutting, laser welding, laser drilling, laser marking, laser selective sintering.

Pre-requisite: None

ELME718 SPECIAL TOPICS IN MANUFACTURING II

In industry, material degradation of components and equipment arises from one or more of the three modes: wear, corrosion and fracture. The lifetime of the component is determined by the interaction among materials properties, component design, and the application conditions. This course intends to give a comprehensive knowledge on materials degradation and preventive methods by surface engineering. In addition, the fabrication of microelectronic devices will also be introduced in this course. This course focuses on the following topics: Surfaces: Their Nature, Roughness & Characterization; Corrosion; Tribology; Friction, Wear & Lubrication; Surface Treatment & Coating Technology.

Pre-requisite: None

ELME719 SPECIAL TOPICS IN THERMAL ENGINEERING I

To introduce the most advanced technologies in the field of thermal engineering according to recent literatures/ publications in indoor air quality, ventilation and energy saving and advanced HVAC systems.

Pre-requisite: None

ELME720 SPECIAL TOPICS IN THERMAL ENGINEERING II

To introduce the most advanced technologies in the field of thermal engineering according to recent literatures/ publications in single and multi-phase heat transfer and its applications.

Pre-requisite: None

ELME721 AUTOMOTIVE ENGINEERING

Introduction to road vehicles. Modern internal combustion (IC) engine construction. Fuels and combustion. Thermodynamic analysis of IC engines. Advances in IC engines. Electronic fuel injection. Variable valve actuation. Turbocharging and supercharging. Advanced electronic control technology. Emission control. Engine characteristics and performance measurement. Engine trouble-diagnosis. Advanced automotive drive trains, braking, steering and suspension systems. Safety devices. Racing technology. Vehicle aerodynamics. Chassis engineering. Automobile mechanics.

Pre-requisite: None

ELME722 FAILURE ANALYSIS IN MECHANICAL ENGINEERING

This course presents theories for preventing/mitigating the failure modes that are most

frequently encountered in mechanical engineering. These include fatigue, stress concentration, fracture, creep, impact, buckling, wear, residual stresses, etc. This course shall cover such important design tools as: linear fracture mechanics, the various widely-used rules for predicting fatigue strength, models for predicting crack growth, the most important criteria for yield failure, and so forth. Case studies (such as the effects of residual stresses on the failure of railway rails) that involved the various failure modes shall be discussed, with an eye to reinforcing the students' ability in applying the various theories.

Pre-requisite: None

ELME723 ADVANCED ELECTRICAL SERVICES

- To introduce the most advanced technologies in the field of electrical services engineering according to recent literatures and publications.
- To introduce the fundamentals in design of vertical transportation, security, lighting and energy storage systems.
- To enable students to understand the major design features, operating characteristics and functions of facilities used in electrical building services.

Pre-requisite: None

ELME724 ADVANCED ELECTROMECHANICAL ENERGY CONVERSION

- To provide students understanding of various advanced electromechanical energy conversion systems, including the operating principles, performance characteristics and applications.
- To provide students knowledge in the selection, operation and control of electric machines.
- To ensure the students to develop an understanding of various variable speed drive systems and their applications

Pre-requisite: None

ELME725 HUMAN FACTORS ENGINEERING

Students will gain an understanding of the basic theoretical concepts, principles and techniques of ergonomics as well as an introduction to fundamental ergonomic measurement tools for assessment of physical workload, posture, occupational exposure, and stress. The topics include systems design and task analysis, muscle use and anthropometry, workspace design, activity-related soft tissue disorders, back injuries, shiftwork, organizational and psychosocial aspects of work, skilled work and mental activity and regulations in ergonomics. The professional software such as "HumanCAD" is introduced for supporting ergonomic systems design and task analysis. The students are required to complete a related course project.

Pre-requisite: None

ELME726 INDUSTRIAL ENGINEERING AND ENTERPRISE RESOURCE PLANNING

This course is intended to introduce to the concepts of supervision and management in an engineering environment. It will include a review of all of the various functions that industrial engineers or engineering managers must perform and the required skills to do so with special emphasis on the effective communication. Enterprise Resource Planning (ERP) is a kind of integrity application management system. The major topics of ERP concentrate on production management, deployment strategies, standardization and flexibility, supply chain reengineering, strategic alliances and outsourcing, project management infrastructure, and performance measurement. The professional software such as SAP that is the world's leading software of ERP is introduced for supporting ERP topics. The course project is required to apply ERP technology in solving the problems of industrial engineering.

Pre-requisite: None

ELME727 ENGINEERING ACOUSTICS

This course is to develop students' understanding of fundamentals of acoustics and its applications. Through this course students should be capable of modeling and analyzing engineering acoustics problems. Topics include: Fundamentals of vibrations. Vibration of

continuous bodies (string, bar, plate). Acoustics wave equation. Acoustics impedance, power, and intensity. Spectral descriptions of acoustics. Transmission and reflection of sound. Acoustic radiation. Room acoustics. Introduction of acoustics and vibration measurements. Introduction of boundary element method.

Pre-requisite: None

ELME728 ADVANCED ELECTRIC VEHICLES

This course will introduce the electrical and mechanical aspects of EVs, including the fundamentals, design, control, modeling, battery and other energy storage, electric propulsion systems. It will cover vehicle dynamics, energy sources, electric propulsion systems, regenerative braking, parallel and series hybrid electric vehicle (HEV) design, EV charging and infrastructure, impacts to environment and economy, and practical design considerations.

Pre-requisite: None

ELME729 SPECIAL TOPIC IN ELECTROMECHANICAL ENGINEERING I

Any specialized topic in Electromechanical Engineering chosen by staff member who has experience in that particular field, but the topic is not covered by the other postgraduate courses in the MSc. programme.

Pre-requisite: None

ELME730 SPECIAL TOPIC IN ELECTROMECHANICAL ENGINEERING II

Any specialized topic in Electromechanical Engineering chosen by staff member who has experience in that particular field, but the topic is not covered by the other postgraduate courses in the MSc. programme.

Pre-requisite: None

ELME731 MICROMECHATRONICS AND APPLICATIONS

Micro/nanotechnology has become very important in creating innovative technologies in the fields of ultrahigh precision mechatronics, bio-medical engineering and energy/environmental technology. This course introduces fundamental aspects of micromechatronics. It involves scaling laws at the micro/nano-scales, electrostatics, piezoelectrics, electromagnetism, measurement tools, materials and fabrication methods, diverse micromechatronic systems and their applications.

Pre-requisite: None

ELME732 INTELLIGENT THEORY AND ENGINEERING APPLICATIONS

This course introduces the fundamentals of intelligent system technologies and their engineering applications. It will present the principles of knowledge-based systems, fuzzy logic and artificial neural networks and explore how manufacturing and automation could benefit from application of these technologies. It will also discuss the representation of knowledge, knowledge acquisition, decision making mechanism, learning and machine learning, as well as its applications in various engineering domains.

Pre-requisite: None

ELME733 INDUSTRIAL ENGINEERING AND ENGINEERING MANAGEMENT

This course is intended to introduce to the concepts of supervision and management in an engineering environment. Design of Work Systems, Facilities design and planning, Operation Management, Knowledge Management, Supply Chain Management, Materials and Inventory Management, Logistical Management, Enterprise Resource Planning, and Decision Making System are studied as part of the course. Skills on analytical problem solving, statistical thinking and creativity are essential. The course project is required to apply Industrial Engineering (IE) and Engineering Management (EM) technology in solving the critical problems for the industries.

Pre-requisite: None

ELME734 THEORIES AND PRACTICE OF CAD/CAM/CAE

This course studies modern design and manufacturing techniques in the computer-based

environment. It is designed to address the key issues in product development with the goal of providing the future engineers with a thorough understanding of the concepts and technologies in CAD/CAM/CAE. The major focus of the course will be computer graphics, geometric modeling, design reuse, feature recognition, process planning, NC path planning, rapid prototyping, engineering optimization, and computer integrated manufacturing.

Pre-requisite: None

ELME735 PRODUCT DESIGN AND MANAGEMENT

Innovation management and new product development are critical for improving the competitiveness of economies and firms. This course presents and utilizes multi-disciplinary approaches to cover different aspects of product design innovation and development management. The topics include innovation management, product design and optimization, design principle and process (design for manufacturability/environment/usability/X, axiomatic design, robust design, etc.), product portfolio management, product life cycle management and design collaboration, etc.

Pre-requisite: None

ELME736 MODELING AND ANALYSIS OF PRODUCTION SYSTEMS

The complexity of the design and control problems encountered in the modern production system is increasing. This course introduces modeling and analysis methods for linking decision and performance throughout the production system. The methods could be used to support analysis of alternative manufacturing material/service strategies. The fundamental production operation issues will be discussed, ranging from serial systems, mass customization, quality control, group technology, cellular manufacturing, facility management, layout planning and material handling systems, etc.

Pre-requisite: None

ELME797 APPLIED THESIS

An independent project under the supervision of a faculty staff member. An applied thesis focuses on combining existing academic theories or advanced technologies with an evaluation of a case study or industrial project. The goal of this option is to facilitate the integration of practice with academic research.

Pre-requisite: None

ELME798 ACADEMIC THESIS

An independent and original research study under the supervision of a faculty staff member. An academic thesis is a scholarly written document of a piece of original research on a particular topic in consistent with every details of research methodology. In general, the study could result in a technical publication or a presentation at a professional meeting.

Pre-requisite: None

MATH701 FUNCTIONAL ANALYSIS

Normed spaces, Banach spaces, l_p and L_p spaces, Hilbert spaces, finite dimensional normed space. Linear operators, compact operators.

Pre-requisite: None

MATH702 REAL ANALYSIS

Real number system, open and closed sets. Lebesgue measure theory. Measurable functions. Lebesgue integration theory.

Pre-requisite: None

MATH703 ADVANCED NUMERICAL LINEAR ALGEBRA

Direct methods for solving linear systems. Iterative methods for solving linear systems. Sparse matrix computations. Eigenvalue problems. Least squares problems. Toeplitz solvers.

Pre-requisite: None

MATH704 ADVANCED PROBABILITY AND STATISTICS

Probability spaces, random variables, distributions and moments. Conditional expectations and dependence. Sampling distributions, multivariate statistical inference and statistical analysis. Multiple linear regression and analysis of variance.

Pre-requisite: None

MATH705 CLIFFORD ANALYSIS

Clifford algebras, spinors, elementary geometric algebra, Dirac differential operators, monogenic (Clifford analytic) functions, Taylor and Laurent series for monogenic functions, CK extensions of real analytic functions, Cauchy integrals, generalized exponential functions and Hardy spaces, singular Cauchy integrals and Plemelj formulas.

Pre-requisite: None

MATH706 GEOMETRY AND ITS APPLICATIONS

Computer aided proof in plane geometry. Algebraic structures arising from geometric objects. Some topics in computational geometry.

Pre-requisite: None

MATH707 MATHEMATICAL THEORY OF COMPUTATIONAL INTELLIGENCE

Artificial neural networks, simple genetic algorithms, fuzzy logic, fuzzy inference system, ANFIS, dynamical systems, combinatorial optimization and time series prediction.

Pre-requisite: None

MATH708 MATRIX ANALYSIS

Similarities and canonical forms of matrices. Normal, Hermitian and positive definite matrices. Matrix norms. Inequalities of eigenvalues and singular values.

Pre-requisite: None

MATH709 NUMERICAL METHODS FOR DIFFERENTIAL EQUATIONS

Multistep methods, Runge-Kutta methods, finite difference scheme, finite element methods, boundary element methods.

Pre-requisite: None

MATH710 PARTIAL DIFFERENTIAL EQUATIONS

Fourier transformation and translation invariant operators, approximation to identity, character theory and wave equations, various boundary value problems for homogeneous wave equations, Laplace equations and parabolic equations.

Pre-requisite: None

MATH711 READING COURSE I

For individual students or a group of students. Self-study of specific topics under the guidance of a supervisor.

Pre-requisite: None

MATH712 READING COURSE II

For individual students or a group of students. Self-study of specific topics under the guidance of a supervisor.

Pre-requisite: None

MATH713 STOCHASTIC DIFFERENTIAL EQUATIONS

Stochastic integration and stochastic analysis theory. Stochastic calculus and stochastic differential equations. Diffusion theory. Reflected stochastic differential equations and backward stochastic differential equations.

Pre-requisite: MATH704 and MATH714

MATH714 STOCHASTIC PROCESSES

Gaussian processes, stationary processes, Markov chain and Markov processes. Stochastic processes with independent increments, Brownian motions, martingales and semi-martingales.
Pre-requisite: None

MATH715 TIME SERIES ANALYSIS

Stationary random processes. Autocovariance and autocorrelation functions. Discrete parameter models. Purely random processes. Autoregressive processes (first order, second order, general order). Moving average processes. ARMA processes. General linear processes. Harmonic processes. Stochastic limiting operations. Standard continuous parameter models. Applications.
Pre-requisite: MATH704

MATH716 TOPICS IN ANALYSIS

Selected topics in analysis. The content may vary from year to year.
Pre-requisite: None

MATH717 TOPICS IN GEOMETRY

Selected topics in geometry. The content may vary from year to year.
Pre-requisite: None

MATH718 TOPICS IN MATRIX ANALYSIS

Selected topics in matrix analysis. The content may vary from year to year.
Pre-requisite: None

MATH719 TOPICS IN PARTIAL DIFFERENTIAL EQUATIONS

Selected topics in partial differential equations. The content may vary from year to year.
Pre-requisite: None

MATH720 TOPICS IN PROBABILITY AND STATISTICS

Selected topics in probability and statistics. The content may vary from year to year.
Pre-requisite: None

MATH721 FINANCIAL MATHEMATICS

Introduction to option pricing and the Black-Scholes model. Introduction to martingale theory and stochastic calculus, the Cox-Ross-Rubinstein model, and the martingale method in option pricing. Backward stochastic differential equations and option pricing. Consumption-investment strategies, and maximization problems of utilities in financial markets. Other updated topics in financial mathematics.
Pre-requisite: MATH714

MATH797 APPLIED THESIS

An independent project under the supervision of a faculty staff member. An applied thesis focuses on combining existing academic theories or advanced technologies with an evaluation of a case study or industrial project. The goal of this option is to facilitate the integration of practice with academic research
Pre-requisite: None

MATH798 ACADEMIC THESIS

An independent and original research study under the supervision of a faculty staff member. An academic thesis is a scholarly written document of a piece of original research on a particular topic in consistent with every details of research methodology. In general, the study could result in a technical publication or a presentation at a professional meeting.
Pre-requisite: None

BACHELOR'S DEGREE PROGRAMMES

CEEB110 COMPUTER SCIENCE

This course presents introductory programming and software development concepts to engineers using a disciplined approach. It provides an overview of computers and programming, and emphasizes general principles and techniques of programme design in C. Topics includes basic concepts of variables and types, top-down design with functions, arrays, strings, recursion, structure and union types, text and binary file processing.

Pre-requisite: None

CEEB120 CIVIL ENGINEERING DRAWING

Engineering Lettering, Geometric Constructions, Sketching & Shape Description, Multiview Projection, Axonometric Projection, Oblique Projection, Sectional Views, Auxiliary Views, Dimensioning, Basic Auto-Cad Operations, Architectural Drawings, Detailing for Reinforced Concrete structures, Detailing for Steel structures, Others Civil Discipline Specific Applications

Pre-requisite: None

CEEB121 STATICS

Statics of particles; Vector system; Equivalent systems of forces; Equilibrium of rigid bodies ; Analysis of statically determinate trusses, frames and machines; Forces in beams and cables; Force and moment diagrams; Distributed forces; Principle of virtual work; Potential energy and equilibrium

Pre-requisite: None

CEEB110 COMPUTER SCIENCE

This course introduces computer science with basic logic and fundamental programming techniques, and demonstrates how to improve procedural solutions by the object-oriented programming (OOP) approach as well. Fundamental of programming includes primitive data types, expressions, control statements, functions and arrays, which prepare students to learn object-oriented programming. Both theoretical concepts and practical skills are involved; students can experience problem solving by formulating programmatic solutions for real problems and translate them into programmes with the programming language C/C++.

Pre-requisite: None

CEEB120 CIVIL ENGINEERING DRAWING

This course is designed to provide civil engineering undergraduates with basic understanding of the theory and practice of engineering drawings and computer-aided design for civil engineering applications. Students will learn to read and construct blueprints and working drawings by means of lectures, discussion of drawing examples related to existing buildings or projects, CAD practice. Topics will include basic fundamentals of graphics and drafting principles, Auto-Cad fundamentals, architectural drawings, structural floor plan of building, detailing for typical reinforced concrete structural and steel members.

Pre-requisite: None

CEEB121 STATICS

It is a beginning level course for the preparation of other intermediate courses in solid and fluid mechanics. It introduces the basic concepts, tools and methods for rigid bodies, such as forces, moments, free body diagram, equilibrium, supports, reactions, internal forces and moments, truss, frame, shear force and bending moment diagram, etc.

Pre-requisite: None

CEEB122 INTRODUCTION TO CIVIL AND ENVIRONMENTAL ENGINEERING

Introduction to the study and practice of civil engineering; subfields in the discipline, such as structural, geotechnical, environmental, water resources, ocean & coastal, transportation, and construction engineering; professionalism and professional registration; engineering ethics and

safety. Independent study on various topics will be assigned to students.

Pre-requisite: None

CEEB210 KINEMATICS AND DYNAMICS

Kinematics of Particles; Kinetics of Particles; Newton's second law and energy and momentum methods, systems of particles, kinematics of rigid bodies, plane motion of rigid bodies: forces and accelerations and energy and momentum methods, kinetics of rigid bodies in three dimensions, mechanical vibrations.

Pre-requisite: PHYS101; CEEB121

CEEB211 MECHANICS OF MATERIALS

This course introduces fundamental concepts of deformable bodies. It serves as a bridge between mechanics of rigid bodies and structural analysis. It introduces the behavior of structural members, both qualitatively and quantitatively, under different types of external loadings.

Pre-requisite: CEEB121

CEEB212 SURVEYING

This course covers the following topics: distance measurement, leveling, angle measurement, surveying errors and adjustments, field operations, traverse, construction surveying, curve measurement, measurement of area and volume, topography.

Pre-requisite: None

CEEB220 FLUID MECHANICS

Properties of fluids; Fluid statics; Fluid in motion and the conservation of mass; Pressure variation in flows; Momentum and energy principles; Dimensional analysis and similitude; Application in civil engineering: pipe flow, pipe networks, and open channel analysis.

Pre-requisite: MATB110 and PHYS120

CEEB221 MATHEMATICS FOR CIVIL ENGINEERING

There are two parts of this course: 1) linear algebra; 2) probability.

It aims at providing civil engineering students necessary mathematics tools in their study of core courses. Examples will be designed with civil engineering-related problems.

Pre-requisite: MATB120

CEEB222 CONSTRUCTION MATERIALS

This course is designed to provide undergraduate civil engineering students fundamental principles of the behavior, physical and engineering properties of various common civil engineering materials, including natural stones, sands, aggregates, cement, concrete and steel. Selection and design of materials based on their intended use in design and construction are emphasized. The laboratory sessions are designed to provide students a hand-on experience on various material testing concepts and procedures. Written reports and oral presentation of experimental results will be required.

Pre-requisite: None

CEEB223 ENGINEERING GEOLOGY

The first part includes the major principles of physical geology covering the structure of the Earth, plate tectonics, volcanism and other mountain building processes, the surface erosion process, and the formation and properties of minerals and rocks. The second part concerns with the application of geological knowledge to civil engineering problems such as landslide, subsidence and earthquake etc. The third part includes the engineering classification of soils.

Pre-requisite: None

CEEB224 STRUCTURAL ANALYSIS

This first course in structures introduces structural design concept and process, analysis of statically determinate structures, analysis of indeterminate structures by flexibility method and

stiffness method.
Pre-requisite: CEEB211

CEEB310 ENVIRONMENTAL ENGINEERING I

This course is organized with the following chapters: introduction of environmental engineering; chemistry; biology; ecosystems; materials and energy balances; risk perception, assessment and management; hydrology; water characteristics involving physical, chemical and biological aspects; water quality analysis including principles and methods involved in natural water quality process; physical and chemical modelling for water environmental processes involving chemical equilibrium, reaction kinetics, and reactor principles.

Pre-requisite: None

CEEB311 STEEL DESIGN

This course covers the following topics: This course is designed to introduce the behaviour and design of steel structural members according to the limit states design concept. The behaviour and design of tension members, compression members, laterally restrained and unrestrained beams, beam-columns and design of connections will be discussed. Students are expected to obtain basic knowledge about the design and failure mode of steel structural members after finished this course.

Pre-requisite: CEEB224

CEEB312 CONSTRUCTION MANAGEMENT AND PRACTICE

This course addresses various aspects of managing construction projects. Topics include: Organizational structure of construction companies; Project delivery systems: traditional, construction management, design-build, BOT; Project estimating and tendering; Project scheduling and tracking; Construction services during design and site administration; Safety considerations and quality control.

Pre-requisite: None

CEEB313 SOIL MECHANICS

This course covers the following topics: the index properties, plasticity and structure of soil, engineering classification of soil, soil compaction, permeability, seepage, effective stress, stresses in a soil mass, consolidation behavior and strength of soils. The first part of the course introduces fundamental engineering properties and the second part covers the concept of time dependent deformation behavior and the strength of soil.

Pre-requisite: CEEB121 and CEEB223

CEEB320 ENVIRONMENTAL ENGINEERING II

This course is organized with the following chapters: water quality control in rivers; water and wastewater treatments: physical, chemical and biological processes; design principles for water and wastewater treatment facilities; water treatment processes and unit operations including coagulation and flocculation, sedimentation and flotation, filtration and clarification; reactor principles and wastewater treatments including bio-chemical treatments, secondary sedimentation operation, activated sludge treatment process, bio-film treatment process.

Pre-requisite: CEEB310

CEEB321 REINFORCED CONCRETE DESIGN

This course covers the following topics: reinforced concrete material properties; limit state design concepts; introduction to European design standards (i.e. Eurocodes 1 and 2); analysis of frames and shear wall structures; analysis of sections in bending and/or axial loads; yield line and strip methods for slabs; behavior and design of reinforced concrete beams, one-way slabs and two-way slabs considering flexure, shear, anchorage, curtailment and serviceability requirements; behavior and design of short and slender columns under combined bending and axial loads.

Pre-requisite: CEEB224

CEE322 FOUNDATION ENGINEERING

The course introduces civil engineering students the fundamental concepts of foundation analysis and design. This course covers the following topics: Review of Soil Mechanics; Subsurface Exploration; Shallow Foundations; Pile Foundations, and selected topics of foundation engineering.

Pre-requisite: CEEB313

CEE350 CIVIL ENGINEERING HYDRAULICS

Application of the basic laws of fluid mechanics to hydraulic problems. Analysis of simple and multiple steady pipe flows: branching pipes, pipes in series and parallel, and pipe network; flow measurement in pipe. Unsteady flow in pressure conduits: establishment of steady flow and water hammer. Analysis of pumps and turbines. Pump and system characteristics. Steady open channel flow: energy and momentum principles; critical and uniform flow development and their computation; best hydraulic section; gradually varied flow and its profile computation; flow measurement in open channel. Introduction to Hydrology.

Pre-requisite: CEEB220

CEE351 ADVANCED TOPICS IN SOIL MECHANICS

This course is focused on the practical knowledge of soil behaviour required by civil engineers for design and construction of geotechnical projects. Two most important topics of soil mechanics, consolidation and shear strength of soils, will be discussed in detail. In addition, other practical topics including soil compaction, slope stability will be covered.

Pre-requisite: None

CEE410 CIVIL ENGINEERING PROJECT I

The final year project (FYP) for Civil Engineering Programme is a one-year independent study under the supervision of a faculty member, which includes either analytical, experimental, computational, or case-study type work. A final report must be submitted near the end of the second semester accompanied with an A3 size poster. The FYP will be assessed through both report writing and oral presentation. The mark will be given as a single unit for both the courses "CEE410 PROJECT I" and "CEE420 PROJECT II", with a total of 6 credits.

Pre-requisite: Final year level

CEE411 INTEGRATED PROJECT

The course focuses to provide design skills required to carry out real case projects from inception, feasibility, engineering, procurement, and implementation. Emphases will be placed on presentation of design project in the form of technical descriptive writings, verbal communications, calculations, and drawings. Professional ethic training will be provided by experienced engineer/professor. Before the end of this course, students need to finish and pass the assessment of engineering safety training which is provided either by the Macao Direcção dos Serviços para os Assuntos Laborais 澳門勞工事務局 (for local students) or by the department (or non-local students).

Pre-requisite: None

CEE420 CIVIL ENGINEERING PROJECT II

The final year project (FYP) for Civil Engineering Programme is a one-year independent study under the supervision of a faculty member, which includes either analytical, experimental, computational, or case-study type work. A final report must be submitted near the end of the second semester accompanied with an A3 size poster. The FYP will be assessed through both report writing and oral presentation. The mark will be given as a single unit for both the courses "CEE410 PROJECT I" and "CEE420 PROJECT II", with a total of 6 credits.

Pre-requisite: CEEB410

CEE450 ADVANCED MECHANICS OF MATERIALS

This course covers the following topics: plastic bending of beams, bending of beams with

asymmetric cross sections, shear stress and shear center of thin-walled cross section, strain energy and energy method, calculation of beam deflection with moment diagram.

Pre-requisite: CEEB211

CEE451 ADVANCED STRUCTURAL ANALYSIS

This course is the second course in structural analysis and covers the general stiffness method, the matrix stiffness method, influence lines for determinate and indeterminate structures, virtual work method, plastic analysis of beams and frames.

Pre-requisite: CEEB224

CEE452 STRUCTURAL VIBRATIONS

This course introduces fundamental concepts of structural dynamics. This course starts from fundamental concepts and formulation of structural dynamic problems. Then, analysis in time-domain and frequency-domain will be introduced. Numerical methods will be delivered with consideration in accuracy, efficiency and stability.

Pre-requisite: CEEB224

CEE453 ADVANCED REINFORCED CONCRETE DESIGN

This course covers the following topics: Introduction to Macao codes for loadings (including vertical loads, wind loads, and seismic loads) on structures and the reinforced concrete structural design; behavior and design of flat slabs and stair slabs; behavior and design of structural walls, foundations and earth retaining structures; prestressed concrete.

Pre-requisite: CEEB321

CEE454 STRUCTURAL SYSTEMS AND ANALYSIS

This course covers the following topics: structures and the behavior of various types of buildings; structures and the behavior of various forms of bridges; structures and the behavior of catenary cable systems; suitability of a structural type under given conditions.

Pre-requisite: CEEB224

CEE455 SELECTED TOPICS IN GEOTECHNICAL ENGINEERING

Any specialized topic in Geotechnical Engineering chosen by the staff member who has experienced in that particular field. The topic will include new theories, design concepts and procedures.

Pre-requisite: CEEB313

CEE456 EARTH RETAINING SYSTEMS

Earth retaining systems form an important component of many civil engineering projects. In particular, it is a necessary element for deep excavations, which are commonly performed in modern cities to obtain underground space. This course will provide extensive discussions for the design and analysis of retaining systems including gravity walls, sheet-pile walls, and diaphragm walls. Students will learn to use computer software to analyze a retaining wall for deep excavation. The course will cover the following topics: lateral earth pressure, retaining wall types, analysis of backfilled walls and in-situ walls, stability of wall and base, settlements due to excavation, strut and anchor systems, diaphragm walls: slurry control, concrete technology, instrumentation for deep excavation.

Pre-requisite: CEEB313

CEE457 APPLICATION OF NUMERICAL METHODS IN GEOTECHNICAL ENGINEERING

This course introduces students the application of numerical methods in geotechnical engineering. Basic background of the finite element (FE) and finite difference (FD) methods are briefly introduced with emphasis on geotechnical applications. A finite element commercial programme (GeoStudio) is introduced to students to analyze geotechnical problems, especially using Sigma/W for stress and displacement modeling and Seep/W for seepage analysis. The course includes the following topics: Geotechnical analysis; Finite Element Theory for Linear

Materials; Modeling of Shallow Foundations; Geotechnical Considerations; Finite Difference Method, Modeling of Construction and Excavations; Modeling of Seepage.

Pre-requisite: CEEB313

CEEB458 INTRODUCTION TO SOIL IMPROVEMENT

This is the introductory course of ground improvement techniques for marginal and problematic soil. The content includes the basics of laboratory and in situ tests for geotechnical projects. Then, surface compaction, admixture stabilization and deep densification are covered. Ground modification by consolidation and vertical drains are then covered. Various types of insitu reinforcement techniques such as stone columns, soil soils are introduced.

Pre-requisite: CEEB313

CEEB459 ENGINEERING ECONOMICS AND ETHICS

This course aims to provide sound and comprehensive coverage of the concepts of engineering economics and ethics. Topics include: role of engineers in business, time value of money, major analysis methods, codes of ethics, rights and responsibilities of engineers and ethical issues in engineering practice.

Pre-requisite: None

CEEB460 CONSTRUCTION PLANNING, SCHEDULING AND CONTROL

This course applies modern management methods to planning and scheduling for construction projects. Topics include: presentation of planning information, developing a network model, precedence/arrow diagrams, critical path method, time-cost trade-offs, resource allocation and leveling, PERT & Monte Carlo techniques, project monitoring, control and update, linear scheduling and computer scheduling.

Pre-requisite: None

CEEB461 CONSTRUCTION METHODS, PROCEDURE AND EQUIPMENT

This course addresses various aspects of contemporary construction methods and equipment. Topics include: equipment economics, engineering fundamentals of moving earth, excavating, loading & hauling equipment, foundation and basement construction, concrete construction practices and formwork design.

Pre-requisite: None

CEEB462 ENVIRONMENTAL ENGINEERING III

This course is organized with the following chapters: Low-Concentration Particle Suspensions and Flows; Interactions of Small charged Particles; Adsorption, Partitioning, and Interfaces; Filtration and Mass Transport in Porous Media; Reaction Kinetics; and Mixing and Reactor Modeling.

Pre-requisite: CEEB320

CEEB463 ESSENTIALS TO ENVIRONMENTAL BIOTECHNOLOGY

This course reflects the most current and exciting fields of environmental science engineering, as a combination of ET (Environmental Technology) and BT (Bio-Technology).

Pre-requisite: None

CEEB464 WASTEWATER TREATMENT ENGINEERING

This course nourishes students with engineering knowledge of the comprehensive management for the collection and transport, and the treatment and disposal of sewage/wastewater.

Pre-requisite: None

CEEB465 TRAFFIC ENGINEERING

This course deals with fundamental introduction of traffic engineering, such as human factor design, geometric design and section design, traffic flow theory analysis, capacity analysis, traffic count methods, signalized intersection analysis; introduction of ITS

Pre-requisite: None

CEEB466 TRANSPORTATION PLANNING AND PUBLIC TRANSPORT SYSTEM

In the first part of the course, it deals with introduction of urban transportation planning system such as data collection, trip generation, trip distribution, mode choice and trip assignment. In the second part, it familiarizes the students with important issues of public transport system such as system, technology and quality of service. Various kinds of public transportation system like bus, bus rapid transit, light rapid transit, railway rapid transit will be discussed.

Pre-requisite: CEEB465

CEEB467 SPECIAL TOPICS IN CIVIL ENGINEERING

Members of the staff will arrange special courses on updated topics for properly qualified students.

Pre-requisite: None

CEEB468 INTENSIVE INDUSTRIAL TRAINING

Students can earn 3 credits from "Intensive Industrial Training". The student participate in intensive industrial training should work in a civil engineering company, government department or related laboratory. The total number of training hours should be no less than 150 hours. The internship should be registered with the consent of the internship coordinator.

Pre-requisite: None

CEEB469 CIVIL ENGINEERING INTERNSHIP I

Students can earn 1.5 credits from "Civil Engineering Internship I". The student participate in intensive industrial training should work in a civil engineering company, government department or related laboratory. The total number of training hours should be no less than 75 hours. The internship should be registered with the consent of the internship coordinator.

Pre-requisite: None

CEEB470 CIVIL ENGINEERING INTERNSHIP II

Students can earn 1.5 credits from "Civil Engineering Internship II". The student participate in intensive industrial training should work in a civil engineering company, government department or related laboratory. The total number of training hours should be no less than 75 hours. The internship should be registered with the consent of the internship coordinator.

Pre-requisite: None

CHEM112 GENERAL CHEMISTRY

This one-semester course is for first year students of departments of Engineering and Sciences. It deals with atoms and molecules, periodic table, electronic structure, chemical bondings, chemical reactions, electrochemistry and organic chemistry.

Pre-requisite: None

CISB110 PROGRAMMING SCIENCE

This course introduces the notion of algorithms and teaches principles of problem solving. It also introduces fundamental concepts of programming, such as scalar data types, variables, functions, choice, iteration, recursion, arrays, strings, enumerations, record types, and file processing. These concepts are introduced through the C programming language.

Pre-requisite: None

CISB111 DISCRETE STRUCTURES

This course introduces the fundamental ideas of discrete mathematics used in many basic computer-related concepts. These include Set Theory, Logic, Counting, Relations, and Graph Theory. Throughout the course, students will also be trained in developing skills in mathematics, such as Modeling, Abstraction and Proof Methods.

Pre-requisite: None

CISB120 ALGORITHMS AND DATA STRUCTURES I

This course and its sequent present methods of organizing large amount of data, design and

estimate the running time of algorithms. This course introduces the basic concepts, simple data structures, such as List, Stacks and Queues, and algorithms like Hashing and Sorting together with their analysis. Students will also continue to learn programming in an imperative programming language.

Pre-requisite: CISB110

CISB121 DIGITAL SYSTEMS

The course introduces the basic principles and concepts of modern digital systems. This includes the study of combinational and sequential systems using standard modules such as shifters, adders, registers, and counters etc. The advanced techniques for designing, analyzing and implementing the digital circuits are introduced with an emphasis on practical design techniques and circuit implementation. Major topics include Number Systems, Boolean Algebra, Logic Components, Combinational and Sequential Logic Analysis and Design, and Digital Subsystems. The laboratory provides more insight into the design and implementation of digital systems using the hardware components as well as programmable implementation technologies.

Pre-requisite: None

CISB122 PROBABILITY AND STATISTICS

Sample space and events, axioms of probability; Conditional probability, independence and the Bayes Rule; Random variables, discrete probability distribution, continuous probability distribution, joint probability distribution; Mean, variance, covariance and correlation; Some discrete probability distributions: uniform, binomial, hyper geometric, geometric, negative binomial and Poisson; Some continuous probability distributions: normal, exponential, gamma, chi-Squared, lognormal and Weibull; Sampling distributions; Confidence intervals; Hypotheses Testing; Regression and correlation analysis.

Pre-requisite: MATB110

CISB210 ALGORITHMS AND DATA STRUCTURES II

Continuation of Algorithms and Data Structures I. Introduce more advanced data structures such as trees and graphs, and algorithms on these data structures together with their analysis.

Pre-requisite: CISB120

CISB211 COMPUTER ORGANIZATION

Introduction is given to the architecture and organization of a computer system, with a contemporary chip as a sample for introducing machine language, assembly language and Central Processing Unit (CPU). The contents include various parts of computers: CPU, Memory, Input/Output. The primary features and working principles in each part will be introduced in detail, including interrupts, direct memory access, virtual memory and memory management, algorithms and hardware implementation of integer and floating-point number operations.

Pre-requisite: CISB121

CISB212 NUMERICAL METHODS AND COMPUTATION

Introduction to data representations and computer arithmetic; Basic techniques in MATLAB programming; Numerical solution of nonlinear algebraic equations; Approximating functions; Numerical differentiation and integration; Numerical solution of ordinary differential equations.

Pre-requisite: MATB110

CISB220 COMPILER CONSTRUCTION

Modern compiler design, use of automatic tools, compilation techniques and programme intermediate representations; scanner, recursive descent parser, bottom-up parser, code generation and optimization; semantic analysis and attribute grammars, transformational attribute grammars.

Pre-requisite: CISB111

CISB221 INTRODUCTION TO DATABASE SYSTEMS

The course provides an overview of database management, database system architecture, and an in-depth study of relational database systems, including both the theoretical aspects of the relational model as related to relational data objects, relational data integrity, and relational data manipulation (using the relational algebra and relational calculus); and the practical aspects of relational implementations, using the SQL language and views. The course also includes a study of a commercially available database system and database application programming.

Pre-requisite: CISB120

CISB222 PRINCIPLES OF OPERATING SYSTEMS

This course is devoted to the study of the design principles and implementation issues of contemporary computer operating systems. The main topics include a detailed analysis of processes, multithreading, concurrency, memory, input/output, and file management.

Pre-requisite: CISB211

CISB250 HUMAN-COMPUTER INTERACTION

This course provides an introductory level of human-computer interaction (HCI). The success in the development of highly usable interactive computing systems lies in the understanding of human factors in the process of design. To this aim, this course covers three different perspectives: human – the cognitive aspects, human perceptions and limitations, errors; computer – the current technology for presenting interactive information; and the interaction – from user requirement analysis, interface design, to interface evaluation. This course illustrates the fundamental concepts of human-computer interaction and user-centered design thinking. Specifically, the user-centered design process will be introduced in the lectures and practiced by students through a term-based group project. In addition, trendy HCI research topics will be assigned to individuals to read, research, and share in the class through formal presentations.

Pre-requisite: None

CISB251 OBJECT- ORIENTED ANALYSIS AND DESIGN PATTERNS

The course discusses object-oriented analysis and design using Unified Modeling Language (UML). The main contents are use case diagram, class diagram, sequence diagram, state diagram, activity diagram, and component diagram of UML. And several design patterns are also introduced. UML and its CASE tool are used to analyze and design the course project systems.

Pre-requisite: None

CISB310 COMPUTER NETWORKS

This course covers data communication techniques, data transmission, switching techniques, layered network architectures, data link layer protocols, medium access control sublayer and local area networks.

Pre-requisite: CISB222

CISB350 ADVANCED OPERATING SYSTEMS

This course is an advanced level undergraduate course in Operating Systems, continually devoted to the study of the principles and techniques in the design of computer operating systems. The main topics cover scheduling, embedded operating systems, security, and distributed systems.

Pre-requisite: CISB222

CISB351 ADVANCED DATABASE SYSTEMS

This course provides an in-depth study of: query optimization; transaction management; concurrency control; database recovery; database integrity; database security; distributed database systems and data normalization. In which, information retrieval and web search engines are also briefly introduced and discussed.

Pre-requisite: CISB221

CISB352 COMPUTER BASED SIMULATION

Application of modeling techniques to understanding the operation and design of complex systems such as manufacturing systems, data processing systems, transportation systems, and organizational systems. Coverage includes problem definition, system identification, and performance evaluation. Traditional discrete events simulation is essential to study the transient phenomena, through suitable analysis and prediction models. Software modeling of selected systems in terms of specific knowledge and action models should serve as the course project to be collaborated by students working in self-directed work teams. Pedagogy: project-based learning with students cooperatively working in professional research groups, whose group-based and individual profiles, should track the results for evaluation purpose.

Pre-requisite: CISB210

CISB353 FORMAL LANGUAGES AND AUTOMATA

This course introduces the fundamental concepts of formal languages and automata. It emphasizes the general principles of formal languages, grammars and automata theory. Topics include finite automata, regular expressions, regular languages and their properties, context-free grammars, languages and their properties, pushdown automata, Turing machines and undecidability.

Pre-requisite: CISB111

CISB354 PROGRAMMING LANGUAGE

Programming language concepts and paradigms: concepts λ values, storage, bindings, abstraction, type systems, sequencers, concurrency; programming paradigms λ imperative, object-oriented, concurrent. Special emphasis on the mastery of structured and object-oriented programming techniques, through pinpointed study of such languages as ANSI C, C++, Java, and ADA83/ADA95. Pedagogy: a mixture of didactic teaching and problem-based learning (PBL) approach, where students are trained to work in professional groups to do collaborative project work.

Pre-requisite: CISB110

CISB355 COMPUTER GRAPHICS

This course is designed to provide students with a comprehensive introduction to 2D and 3D computer graphics techniques. Topics covered include graphics systems, input and interactive techniques, modeling and representation, shading and illumination, rendering and texturing. To be more practical, the knowledge will be learnt by using an industrial standard in computer graphics, called OpenGL.

Pre-requisite: CISB212

CISB356 DISTRIBUTED COMPUTER SYSTEMS

This course is a senior-level elective course on Distributed Systems for Computer and Information Science. The key principles about distributed systems include: architecture, processes, communication, naming, consistency and replication, and security.

Pre-requisite: CISB310

CISB357 FUNDAMENTALS OF DIGITAL IMAGE PROCESSING

This course introduces the fundamentals of digital image processing for senior undergraduate students. It emphasizes the general principles and techniques of image processing. Topics include digital image fundamentals, intensity transformations and spatial filtering, filtering in the frequency domain, image restoration and reconstruction, color image processing, wavelets and multiresolution processing, image compression and watermarking, morphological image processing, image segmentation, and representation.

Pre-requisite: MATB220

CISB358 FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE

Introduction to Artificial Intelligence, definition, disciplines of AI. The concept of agent in AI. Problem Solving Agent and Logical Agent are discussed in the course, which contains build

search tree, state space, local search, knowledge base representation, reasoning using mathematical logic. Prolog is the language widely used in AI field. This programming language will also be covered in the course.

Pre-requisite: CISB210

CISB359 INFORMATION SYSTEMS ANALYSIS AND DESIGN

This course introduces systematic and structured methodologies of information system analysis and design, and covers system analysis fundamentals, information gathering techniques, information requirements analysis, data flow diagram, data dictionary, input and output design and system proposals.

Pre-requisite: None

CISB360 INTERNSHIP I

An internship programme for student to participate industrial training in company in related field. The total number of working hours should not be less than 60 hours.

Pre-requisite: None

CISB361 INTERNSHIP II

An internship programme for student to participate industrial training in company in related field. The total number of working hours should not be less than 30 hours.

Pre-requisite: None

CISB362 SYSTEMS AND NETWORKS

This course introduces computer network architectures and high level network protocols, and covers internetworking techniques and protocols, transport layer protocols, the TCP/IP protocol suite, socket networking programming interface, application layer protocols, domain name system, electronic mail and World Wide Web.

Pre-requisite: CISB310

CISB363 INFORMATION RETRIEVAL AND WEB MINING

This course will introduce the latest development of information retrieval and web mining technologies. In the first part of the course, we will overview the fundamental concepts of information retrieval, such as crawling, parsing, indexing, searching, scoring, and compression. These techniques enable students to process and index the data fetched from the Web. In the second part, we will discuss how to extract knowledge from web scale datasets by link analysis, clustering, and recommendation techniques. Moreover, some latest implementation techniques (such as Apache Hadoop, Pig, and Lucene) will be introduced and studied thoroughly in the course project. The course is aimed at helping students to explore the latest techniques in information retrieve and web mining. Some research oriented projects will be given according to students' background knowledge. The contents of the course will mix with lectures, tutorials, and group discussions.

Pre-requisite: CISB120

CISB364 DATA VISUALIZATION

Scientific visualization and information visualization; data visualization pipeline from data filtering, data mapping and rendering; data types and data representation; scalar, vector and tensor data; volume visualization and surface visualization; visualization software.

Pre-requisite: MATB110 and MATB120

CISB365 MULTIMEDIA COMPUTING

This course will introduce general principles and techniques in multimedia programming. The main topics will cover multimedia data fundamentals and representation, digital image and drawing creation and modification, audio manipulation and modern music synthesis, animation and video processing. The programming language used in this course will be Java. The goal is to improve the students' insight in multimedia technology and skills on the multimedia programming, which will enable students to develop new and creative ways of using multimedia

in the future.

Pre-requisite: CISB110

CISB366 BIOINFORMATICS

Bioinformatics is the study of biological information through computer modeling or analysis. Its goal is to reveal relationships between sequences, structures, and functions of molecules. In this course, we intend to give an in-depth introduction of the algorithmic techniques used in bioinformatics. Topics which will be covered include sequence similarity analysis, suffix tree, genome analysis, biological database search, phylogenetic analysis, protein structure manipulation and modeling. This course is designed for undergraduate CS students and assumes no prior knowledge of molecular biology beyond the high school level. Basic concepts of molecular biology will be given in the first lecture, as well as in subsequent lectures before the computational problems are defined. The ultimate goal of this course is to prepare students with the knowledge and skills to conduct research in the area of bioinformatics.

Pre-requisite: CISB120

CISB410 FINAL YEAR PROJECT

An independent study under the supervision of a faculty member.

Pre-requisite: None

CISB450 ADVANCED ARTIFICIAL INTELLIGENCE

This course introduces key concepts of artificial intelligence and application areas. Topics include planning, expert systems, machine learning, genetic algorithms, and natural language processing. Upon completion of this course, students should be able to apply various artificial intelligence techniques in developing intelligent systems.

Pre-requisite: CISB358

CISB451 FUNDAMENTALS OF PATTERN RECOGNITION

This course introduces the fundamentals of pattern recognition for senior undergraduate students. It emphasizes general principles and techniques of pattern recognition. Topics include Bayes decision theory, parametric and non-parametric classifiers, feature extraction and selection techniques, and artificial neural networks.

Pre-requisite: CISB122 and CISB358

CISB452 GROUPWARE SYSTEMS

This course introduces students to the principles, design and implementation of groupware systems - systems intended to support groups of people working together. Design concepts include session management, coupling, undo/redo, access control, concurrency control, synchronization, and awareness. Implementation aspects include replication, mobility, migration, thread scheduling, object-based design patterns, and composability. This course also includes an overview of representative samples of different kinds of groupware systems.

Pre-requisite: CISB221 and CISB222

CISB453 INTERNSHIP III

An internship programme for student to participate industrial training in company in related field. The total number of working hours should not be less than 30 hours.

Pre-requisite: None

CISB454 INTRODUCTION TO NATURAL LANGUAGE PROCESSING

This course introduces fundamental concepts and skills associated with the design and implementation of different natural language processing systems covered from morphology, syntax, semantics to pragmatic. The main topics include regular expressions and automata, words and transducers, language modeling, POS tagging, syntax parsing and computational lexical semantics. The course also includes an overview of practical applications of natural language processing systems.

Pre-requisite: CISB222

CISB456 QUEUE AND SCHEDULING

An understanding of the general principles of how queues operate and how to use models to analyze queuing phenomena and develop queuing solutions; the knowledge needed to diagnose and correct the problems that are creating queues, whether they be queues of shoppers at a market, queues of work in a factory, or queues of checks at a service center. Basic probability theory and statistical tool are reviewed in the early part of the course.

Pre-requisite: CISB210

CISB457 SOFTWARE ENGINEERING PRINCIPLES

The course discusses the theories, methods and tools of software engineering for developing large and complex software systems. The main contents are requirement specification, system modeling, architectural design, object-oriented analysis and design, verification and validation. The Unified Modeling Language (UML) and its CASE tool are used to analyze and design the course project systems.

Pre-requisite: None

CISB458 SOFTWARE PROJECT MANAGEMENT

This course introduces project management as it relates to the software life cycle. Different software life cycle models, and the project management activities in each phase of the life cycle, are examined. Project planning activities are introduced, including activity planning, resource estimation and the use of software metrics, risk analysis, resource allocation and project scheduling. This course concludes with a study of project monitoring and control, and project team organization.

Pre-requisite: None

CISB459 SPECIAL TOPICS IN COMPUTER AND INFORMATION SCIENCE I

Aim to introduce different advanced topics in computer science", the topic may change from year to year.

Pre-requisite: None

CISB460 FORMAL METHODS IN SOFTWARE ENGINEERING

This course introduces the basic theories and techniques of formal methods for software engineering. This includes the introduction to formal semantics, programme verification, and formal specification and development methods.

Pre-requisite: CISB353

CISB461 INFORMATION SECURITY

The course introduces students to the fundamental issues concerning information security and applied cryptography. The areas covered are protecting information using symmetric and public key cryptography, cryptographic hash functions and standards, key exchange, authentication, digital signatures, digital certificates, secure electronic transactions, non-malicious programme errors, viruses and other malicious code, and firewalls.

Pre-requisite: CISB221, CISB222 and CISB310

CISB462 INTRODUCTION TO ELECTRONIC COMMERCE

The course objective is to provide students with an introduction to electronic commerce from an interdisciplinary perspective of business management and computer science. This course is designed to familiarize students with current and emerging electronic commerce technologies. It begins with the discussion of computing and networking technologies, and why this is important to build e-commerce infrastructure. Above this infrastructure, different e-commerce models and strategies are reviewed and their related technical solutions are discussed. Particularly, topics of this course include networks, electronic marketplace, security and privacy issues, various internet business models and strategies, legal and social issues, and the use of web development and database tools.

Pre-requisite: CISB110

CISB463 LOGIC FOR COMPUTER SCIENCE

Propositional calculus, predicate calculus, temporal logic, formalization of programmes; Turing machines, recursive and recursively enumerable languages, context-sensitive grammars and LBAs, Chomsky Hierarchy, Halting, and computability criterion.

Pre-requisite: CISB353

CISB464 ORGANIZATION AND MANAGEMENT

The course introduces the basis of management in its different functions of planning, organizing, leading and controlling. The course includes topics such as decision making processes, leadership, ethics, communication, motivation, and foundation of individual and group behavior, and organization structure.

Pre-requisite: None

CISB465 PROFESSIONAL IN SOFTWARE ENGINEERING

A specialized topic for Professional in Software Engineering chosen by the staff member who has experienced in that particular field, but the topic is not covered by other undergraduate courses in the Computer Science Programme.

Pre-requisite: None

CISB466 SPECIAL TOPICS IN COMPUTER AND INFORMATION SCIENCE II

Aim to introduce different advanced topics in computer science", the topic may change from year to year.

Pre-requisite: None

ECEB110 DIGITAL SYSTEMS

The objective is to provide the students with basic principles of Digital Logic Design. In this course, we study the Algebra of Logical Variables, Logical Functions, Basic Combinational Circuits, Flip-flops, Registers, Counters, Arithmetics Operations, the Memory Architecture, Sequential Circuits, Controllers, Elementary and more sophisticated Computer Architectures, and certain aspects of the I/O Operations. HDL with FPGA implementation will be included in Laboratory works.

Pre-requisite: None

ECEB111 INTRODUCTION TO ELECTRICAL AND COMPUTER ENGINEERING

Overview of Electrical and Computer Engineering; Basic concepts of ECE; Introduction to situation of ECE around the area; Basic knowledge used in the laboratory.

Pre-requisite: None

ECEB112 COMPUTER SCIENCE

This course presents introductory programming and software development concepts to engineers using a disciplined approach. It provides an overview of computers and programming, and emphasizes general principles and techniques of programme design in C. Topics includes basic concepts of variables and types, top-down design with functions, arrays, strings, recursion, structure and union types, text and binary file processing.

Pre-requisite: None

ECEB120 INFORMATION TECHNOLOGY REVOLUTION AND ELECTRONICS

The main objective of this course is to provide students with a broad vision about the evolution of technology, in the modern age, since its early beginnings, by describing the significance of the 3 Industrial Revolutions throughout time, since the 1st initiated with the Steam Engine (James Watt-1763), followed by the 2nd started with the inventions of Electrical Power Generation (Michael Faraday-1831) and the Combustion Engine (Siegfried Marcus-1864), until the 3rd kicked-off with the discovery of the Transistor (John Bardeen, Walter Brattain and William Shockley-1947) that really marked the commencement of what is now known as the Information Technology Revolution, led by continuous and fast developments in Electronics, Computing and Telecommunications. Current state-of-the-art and well-known information technology platforms

and gadgets will be briefly introduced at the system-level related with their human interfaces, in particular the internet, the mobile phone, the computer, the video game console, the media player, the global positioning system (GPS), and as a motivation for showing what is underlying inside such systems in terms of Electronics. Then, an evolution of silicon semiconductors from the original transistor until the present microchips and fiber-optics networks will be described with projections into the future in terms of unlimited circuit integration (processing capability related with the number of transistors on a chip) and bandwidth availability (speed of communications).

Pre-requisite: None

ECEB121 EMBEDDED SYSTEMS

The goal of this course is to develop a comprehensive understanding of the technologies behind the embedded systems, particularly, those using computing elements (processor, DSP, or FPGA). The students develop an appreciation of the technology capabilities and limitations of the hardware, software components for building embedded systems, and methods to evaluate design tradeoffs between different technology choices. Students are required to finish a design project.

Pre-requisite: ECEB110

ECEB122 CIRCUIT ANALYSIS

Elementary Resistive Circuit Theorems and Analysis Techniques: KCL, KVL, Nodal & Mesh Analysis and their Matrix formulation, Superposition, Source Transformation, Thevenin & Norton Equivalents, Maximum Power Transfer. Ideal OP AMP Model and its Circuit Analysis Methods. Energy Storage Elements, 1st- and 2nd-Order Circuit Analysis: Natural, Forced and Completed Response. Sinusoidal Steady-State Analysis: Phasor, Impedance and Admittance. AC Steady-State Power: Instantaneous and Average Power, Power Factor and RMS Values. Practice includes problem solving, PSpice and Laboratory Works.

Pre-requisite: MATB110

ECEB210 SIGNALS AND SYSTEMS

Basic Continuous-Time Signals and its Transformations. Basic System Properties. Linear Time-Invariant System Analysis: Properties, Convolution Sum and Convolution Integral, Impulse and Step Responses. C-T Fourier Analysis: Fourier Series and Fourier Transform. Time and Frequency Characterization of C-T Signals and Systems: Frequency Response, 1st- and 2nd-Order Systems, Bode Plots, Zero-State System Response. Introduction to Filtering, Modulation and Sampling. Laplace Analysis: Bi- and Uni-lateral Laplace Transform, Pole-Zero Plot and Stability, Transfer Function, Application in Circuit Analysis. Practice includes problem solving, MATLAB and Laboratory Works.

Pre-requisite: ECEB122

ECEB211 MEASUREMENT AND INSTRUMENTATION

The course commences with a brief review of some basic terminology, systems of units, measurement standards, probability and statistical analysis, traceability and types of error in measurement. The course then covers different electronic and digital measuring instruments, e.g. oscilloscopes, signal generators, signal analysis instruments, etc. Transducers and signal conditioning circuit design are included.

Pre-requisite: MATB110

ECEB220 ELECTRIC MACHINES

This course provides fundamental knowledge on electric machines. It includes three phase circuit analysis, principles and static models of transformers and different machines, and relay control.

Pre-requisite: ECEB122

ECEB221 FUNDAMENTAL ELECTRONICS

This course mainly introduces basic electronic devices namely operational amplifiers (Op-Amps),

diodes, bipolar junction transistors (BJTs) and field effect junction transistors (FETs). In each device, the DC and AC analysis are firstly presented elucidating fundamental parameters of analogue electronic circuitry model like gain, input impedance, output impedance and so forth. An introductory PSpice simulation of these devices and some of their application circuits is included. The experimental validation of the elementary analogue circuitry using analogue and digital testers is also given. The course objective allows the students to acquire the basic engineering technique and ability to design and analyze the circuits of Op-Amps, diodes, BJTs and FETs using modern computing tools as well as measurement and test facilities.

Pre-requisite: ECEB122

ECEB222 DISCRETE STRUCTURE

Introduce basic mathematics that is useful for many areas of computing. These include Set Theory, Relation, Logic and Graph Theory. Throughout the course, students will also be trained in developing skills in mathematics, such as Modeling, Abstraction and Proof Methods.

Pre-requisite: None

ECEB250 ELECTROMAGNETISM

The basic relations for static electric fields in free space and material media, Coulomb's law, Gauss' Law; The steady electric current and static magnetic field, Ohm's Law, Joule Law, Kirchhoff's Law, Biot-Savart Law, Ampere's Law; The static magnetic field of ferromagnetic materials; Magnetic materials and hysteresis; comparison of electric and magnetic relations involving polarization and magnetization; Bounded fields and Laplace's equation; Time changing electric and magnetic fields; Faraday's Law. Maxwell's displacement current; Boundary relations for electric and magnetic fields; The relation between field and circuit.

Pre-requisite: PHYS210

ECEB251 NUMERICAL METHOD AND COMPUTATION

Introduction to data representations and computer arithmetic; Basic techniques in MATLAB programming; Numerical solution of nonlinear algebraic equations; Approximating functions; Numerical differentiation and integration; Numerical solution of ordinary differential equations.

Pre-requisite: MATB110

ECEB252 PROBABILITY AND STATISTICS

Sample space and events, axioms of probability; Conditional probability, independence and the Bayes Rule; Random variables, discrete probability distribution, continuous probability distribution, joint probability distribution; Mean, variance, covariance and correlation; Some discrete probability distributions: uniform, binomial, hyper geometric, geometric, negative binomial and Poisson; Some continuous probability distributions: normal, exponential, gamma, chi-Squared, lognormal and Weibull; Sampling distributions; Confidence intervals; Hypotheses Testing; Regression and correlation analysis.

Pre-requisite: MATB110

ECEB253 LINEAR ALGEBRA

Systems of linear equations and matrices; Determinants; Vectors in 2-space and 3-space; Euclidean vector spaces; General vector spaces; Inner product spaces; Eigenvalues and eigenvectors; Linear transformations.

Pre-requisite: None

ECEB254 BIOLOGY

Basic principles of plant and animal biology, including cell biology, biochemistry, energetics, genetics, evolution, and ecology. Appreciation of scientific method in general and biological methodology. Lab component will emphasize the use of methodologies typical of biological studies.

Pre-requisite: None

ECEB255 SEMICONDUCTOR DEVICE PHYSICS

The main goal is to provide the students with an understanding of the relation between physical structure and circuit behavior of semiconductor active devices. The emphasis is on simple models of the semiconductor, the discussion of the properties of potential barriers and field effect, with the MOSFET as the centerpiece of the course. Simple one-device circuits are used to introduce non-linear behavior, and make the connection to the device physics. The students will learn the relation between external circuit parameters (as used in SPICE) and the device internal structure. At the end of the course the students will know the basic mechanism of rectification, amplification and switching and their implementation with various types of semiconductor devices.

Pre-requisite: PHYS210

ECEB256 COMPUTER SYSTEMS AND NETWORK FUNDAMENTALS

Introduction to computer architecture – standalone and networking, parallel and distributed; Networks and data communication techniques; Network architecture, switching techniques. Different layers in TCP/IP, Internet.

Pre-requisite: ECEB110

ECEB257 INTRODUCTION TO ELECTRO-ROBOT DESIGN

The course introduces the fundamental knowledge on the design, implementation and evaluation of a robot and its sub-systems. It covers the basic principles of analog and digital circuits as well as robot sensing and control mechanisms. Students have to apply the knowledge and principles learned to design and build a functional robot by the end of the course.

Pre-requisite: None

ECEB258 INTERNSHIP

Joining an internship programme for at least 90 hours.

Pre-requisite: Without enrollment of ECEB260

ECEB259 INTERNSHIP I

Joining an internship (with department approval in advanced) for at least 45 hours.

Pre-requisite: None

ECEB260 INTERNSHIP II

Joining an internship (with department approval in advanced) for at least 45 hours.

Pre-requisite: ECEB259

ECEB310 APPLIED ELECTRONICS

This course is devoted to the design and analysis of the advanced analogue application circuits with the emphasis on differential and multistage amplifiers, feedback circuits, filters, oscillators and power amplifiers. Throughout the course, the basic parameters of application circuits of audio and video consumer electronic systems; for example frequency response, bandwidth, power conversion efficiency and so forth are studied. Using circuit theory based CAD, both the time- and frequency-domain simulations are also given. In addition, the experimental verification of these application circuitries using time- and frequency-domain testers is offered. The course objective allows the students to acquire the adequate engineering technique and ability to design and analyze the transistor circuits of audio and video applications using modern computing tools as well as advanced measurement and test facilities.

Pre-requisite: ECEB221

ECEB311 DIGITAL SIGNAL PROCESSING

Discrete-time Signals and Systems; Sampling Theorem and Reconstruction; Transform Analysis for LTI Discrete-Time Signals and Systems: Discrete-Time Fourier Transform (DTFT), z-Transform, Discrete Fourier Transform (DFT), Fast Fourier transform (FFT); Fundamental Digital Filter Design Techniques: Infinite Impulse Response (IIR) and Finite Impulse Response

(FIR) Filters; Introduction to the Applications of Digital Signal Processing; Practice includes problem solving, MATLAB based Project Works.

Pre-requisite: ECEB210 and MATB210

ECEB320 CONTROL SYSTEMS

This course deals with the fundamental principles for analysis and design of control systems. Topics include dynamic modeling, dynamic response, basic properties of feedback, root-locus design method, frequency-response design method, and state-space design.

Pre-requisite: ECEB210

ECEB321 ECE SEMINARS

Students are required to participate in ECE related seminars and conferences so they may have the chances to contact the progress of ECE in different disciplines.

Pre-requisite: None

ECEB350 INTRODUCTION TO BIOMEDICAL ENGINEERING

This is an introductory course to the fundamentals of Biomedical Engineering from the view point of Electrical and Electronics Engineering for senior undergraduate students. It emphasizes general concepts and techniques of biomedical engineering. Topics include overview of human body, biomedical electrodes, sensors and transducers, biomedical signals and its measurement techniques, biomedical electronics, electrical safety, and embedded system in biomedical equipment.

Pre-requisite: None

ECEB351 FUNDAMENTAL BIO-ELECTRICITY

Entry level overview of electrophysiology and bioelectricity at both the cell and tissue level with special interest in cardiology and neurosciences.

Pre-requisite: ECEB350

ECEB352 BIOMEDICAL ELECTRONICS

Introduction to biomedical signals; basic circuit analysis for biomedical signals; design of bioamplifier circuits; characteristics of linear and nonlinear circuit elements; design of basic electronic circuits, principles and practice of bioelectronic measurements.

Pre-requisite: ECEB221 and ECEB350

ECEB353 INTRODUCTION TO BIOMEDICAL SIGNAL ANALYSIS

Introduction to stochastic signal analysis methods used in biomedical signal processing and analysis. Fundamental techniques to analyze and process signals that originate from biological sources: ECGs, EMGs, EEGs, blood pressure signals, etc. Analog and digital filtering.

Pre-requisite: ECEB311 and ECEB350

ECEB354 POWER ELECTRONICS

The course includes operating characteristics of power semiconductor devices, such as Bipolar Junction Transistors, IGBTs, MOSFETs and Thyristors, and fundamentals of power converter circuits including dc/dc converters, ac/dc rectifiers, dc/ac inverters and ac/ac converters.

Pre-requisite: ECEB122

ECEB355 POWER SYSTEMS ANALYSIS

This course provides fundamental knowledge on power system. It includes calculation on line parameters, line models, admittance matrix calculation, load flow calculation, symmetrical networks, machine model for short circuit calculation, symmetrical and asymmetrical short circuit calculation and state estimation.

Pre-requisite: ECEB122

ECEB356 POWER QUALITY AND ENERGY SAVING

This course is designed to prepare senior undergraduate students with knowledge and

manipulative skills for employment in the electrical industry. It emphasizes the theory and practice of the power quality and energy saving skills. Topics include power quality standards, Power Quality Monitoring, HV/MV/LV Power Quality Compensators, Energy Efficient Standards, Energy Measure and Energy Saving Equipment.

Pre-requisite: ECEB354

ECEB357 POWER ELECTRONICS DESIGN AND IMPLEMENTATION

Fundamentals of power electronics drivers, components and controller are included and reviewed. Design considerations of power electronic rectification, controlled rectification, DC chopper power modulators, and DC-to-AC inverters are discussed. Fourier series analysis of inverter waveforms, power filter design and feedback control of a power electronics system are examined. Design and implementation of a power electronics system is performed.

Pre-requisite: ECEB354

ECEB358 ELECTRIC DRIVE

This course will describe the structure of Electric Drive Systems and their role in various applications such as flexible production systems, energy conservation, renewable energy, transportation etc. This course will cover the basic principles of power electronics in drives using switch-mode converters and pulse width modulation to synthesize the voltages in dc and ac motor drives, the operation of dc motor drives to satisfy four-quadrant operation to meet mechanical load requirements, design torque, speed and position controller of motor drives, space vectors control, speed control of induction motor drives in an energy efficient manner using power electronics, the power quality issues in powering electric drives.

Pre-requisite: ECEB354 and ECEB220

ECEB359 PRINCIPLES OF COMMUNICATION SYSTEMS

This course is the basic discipline of telecommunication theory and relevant techniques. In addition to an information theory introduction, it includes the study of signal and architecture of communication systems, amplitude and angle modulation, modulation and demodulation techniques and so forth. The important concepts like noise, interference, channel distortion, intersymbol interference and entropy are also elucidated with the help of system simulator. Example transmitter and receiver of broadcasting communication systems and cellular communication systems are also highlighted. The course objective allows the students to acquire the basic engineering understanding to the modern communication systems and; the relevant theory and technique.

Pre-requisite: ECEB210

ECEB360 RF AND MICROWAVE TECHNIQUES FOR WIRELESS SYSTEMS

This course deals with the basic RF and microwave circuit design techniques for receivers and transmitters used in modern wireless analog and digital communication systems. The distributed circuitry theory is studied including transmission line, impedance transformation, impedance matching, smith chart, S-parameters, filters, couplers, mixers, oscillators, low noise amplifiers and so forth. The study also includes linear and nonlinear microwave circuitry simulation together with the elementary RF/microwave measurement techniques using scalar and vector network analyzers. The course objective allows the students to acquire the basic engineering technique and ability to design and; analyze the RF and microwave circuits using modern high frequency simulation softwares as wells as advanced RF and microwave testers.

Pre-requisite: ECEB250

ECEB361 ANTENNA THEORY AND APPLICATIONS IN WIRELESS COMMUNICATIONS

This course is devoted to the antenna fundamentals and its wireless applications. The study includes basic concepts of antennas, dipole, arrays, microstrip patch antennas, adaptive antennas, full wave analysis and optimized antenna design by full wave electromagnetic solvers like MoM. Narrowband and wideband antennas for practical wireless communication systems - GSM, WCDMA, WLAN, RFID and UWB are also studied. Throughout the course, the students acquire the basic engineering technique and ability to design and; analyze the antennas

together with the relevant simulation and measurement techniques.

Pre-requisite: ECEB250

ECEB362 CELLULAR COMMUNICATION NETWORK DESIGN AND OPTIMIZATION

This course brings students fully up to date with the myriad of system developments in latest cellular communication networks namely GSM, WCDMA and so forth. Topics include basic network architecture and design issues, evolution of the wireless industry, characterization of radio propagation, modeling and simulation of narrowband signal characteristics and radio channel characteristics, fading, diversity, spread-spectrum technique, standards of GSM, GPRS, EDGE and WCDMA and so forth. The basic network optimization technique for 2G and 3G cellular networks is also studied. Throughout the course, the students acquire the basic engineering understanding to modern cellular network design issues and optimization.

Pre-requisite: ECEB359

ECEB363 INTRODUCTION TO WIRELESS TECHNOLOGY FOR DIGITAL GAME

This course brings students a straightforward introduction of the use of computer interactive game for entertainment, teaching and learning. The new paradigm of integration of wireless technology and motion, vision, acoustic sensors for interactive game is studied. Coverage includes introductory theory of modern digital game, the game characteristics, rationale for digital game in learning and entertainment, technologies for digital games, case studies, operating system platform, short range communication technologies; sensor design, signal conditioning circuits, user interface, application software and so forth. Throughout the course, the students acquire the introductory engineering understanding to emerging multimedia game application using wireless technology.

Pre-requisite: ECEB310 and ECEB359

ECEB364 ADVANCED TOPICS IN ANALOG AND MIXED-SIGNAL INTEGRATED CIRCUIT DESIGN

The purpose of this course is to investigate advanced analog circuit integrated circuit design. The student will be exposed to analog design at the system level, and learn how design specifications are achieved and design tradeoffs are made in modern analog and mixed-signal integrated circuits.

Pre-requisite: ECEB368

ECEB365 INTRODUCTION TO DATA CONVERTERS

This course will provide an introduction to the various type of Data Conversion System, which is of the most key components in the electronics system. The performance characterization of Data Converters will be presented, and various type of data converters (including Analog-to-Digital and Digital-to-Analog) will be discussed. This course can be served as the beginning course in the field of Data Conversion and Signal Processing System in the area of Analog IC Design.

Pre-requisite: None

ECEB366 INTRODUCTION TO RADIO-FREQUENCY CIRCUITS AND SYSTEMS

This course covers the circuit and system design of modern wireless receivers and transmitters. The system performance metrics, circuit performance metrics and figure-of-merits are introduced. Design examples from practical applications such as GSM, WCDMA, WLAN, GPS are included. The course includes design and simulation projects based on Matlab and Cadence with CMOS technologies.

Pre-requisite: None

ECEB368 ANALOG INTEGRATED CIRCUIT DESIGN

This course is designed to introduce analog IC design fundamentals including single/multiple-transistor amplifiers, current mirrors, current/voltage reference, output stages, frequency response, feedback, stability, and the operational amplifier design. Students will gain the basic understanding of analog IC design and become familiar with circuit analysis, layout

designs and simulation tool flow.
Pre-requisite: None

ECEB410/ ECEB420 DESIGN PROJECT I/II

This course aims to give the students experience in solving real engineering problems and the opportunity to apply the knowledge they have gained during their study. Through the project the students will gain experience in project planning, in teamwork and in communication with management and support staff. The project will also develop their design and research skills.

Pre-requisite: Final Year Student

ECEB450 DIGITAL CONTROL

Digital control systems; open-loop discrete-time systems; closed-loop systems; system time response characteristics; stability analysis techniques; PID controller design; and the control system simulations.

Pre-requisite: ECEB320

ECEB451 SPECIAL TOPIC IN ECE

The course will introduce a selected special topic in the ECE area.

Pre-requisite: Final Year Student

ECEB452 BIOMEDICAL MEASUREMENT AND INSTRUMENTATION

Design of measurement systems and biomedical instrumentation; architecture of electronic instruments used to measure physiological parameters, analysis of major process functions integrated in these instruments.

Pre-requisite: ECEB350

ECEB453 INTRODUCTION TO BIOMEDICAL IMAGING

This course is an introduction to the current methods and applications of biomedical imaging. We focus on major imaging techniques, including Magnetic Resonance, Ultra Sound and Computed Tomography. For each technique, we will study the image acquisition (how images are created), the corresponding image processing (how images are analyzed), and their usage in major biomedical applications (what the image analysis says about cancer, brain, heart, or cells).

Pre-requisite: ECEB350

ECEB454 RENEWABLE ENERGY CONVERSION

This course introduces the engineering and technical aspects of renewable energy conversion systems utilizing biomass, solar, wind, hydro power and others. It emphasizes basic generation and power conversion technologies of renewable energy generation systems. Topics include different available sources of sustainable energy and power, their applications, their limitations, energy conversion, integration circuits and storage for renewable technologies.

Pre-requisite: ECEB354

ECEB455 POWER SYSTEM DESIGN AND IMPLEMENTATION

This course is designed to prepare senior undergraduate students with knowledge and manipulative skills for employment in the electrical industry. It emphasizes the theory and practice of the basic electrical installation and maintenance skills. Topics include introduction to HV/MV/LV equipments, power consumption in Macao, installation and maintenance of transformer, MV/LV distribution and Un-interruptible Power Supply, batteries & chargers.

Pre-requisite: ECEB122

ECEB457 INTRODUCTION TO WIRELESS SENSING NETWORK

This course is about the study of contemporary issues in wireless sensing networks. Coverage includes short range communications namely WLAN, RFID, Bluetooth, Zigbee and; sensor design, signal conditioning circuits, detection, energy minimization, connectivity, security, storage management in wireless sensor networks, middleware, applications and so forth.

Design examples for RFID and WLAN are also provided. Throughout the course, the students acquire the advanced engineering technique and ability to emerging wireless sensing network design issues and applications.

Pre-requisite: ECEB359

ECEB458 MICROWAVE AND MILLIMETER WAVE SYSTEM DESIGN

This course is devoted to the microwave and millimeter wave integrated circuit design from wireless system perspective with focus on broadband applications. Coverage includes OEM system integration, high frequency simulation tools, design of microwave and millimeter wave wireless frontend circuits including low noise amplifier, mixer, oscillator, filter, power amplifier, antenna, characterization and implementation of microwave and millimeter wave integrated systems in CMOS technologies. Throughout the course, the students acquire the advanced engineering technique and ability to emerging broadband systems and applications.

Pre-requisite: ECEB360

EMEB110 ENGINEERING DRAWING I

This course aims at preparing undergraduate engineering students to be able to understand and create technical drawings as a basic technique in engineering and scientific communication. The course seeks to develop the students' effective utilization of computer-aided drafting software package for producing engineering drawings according to the international conventions and drawing standards.

Pre-requisite: None

EMEB111 PROGRAMME DESIGN FOR ENGINEERS

This course presents introductory programming and software development concepts to engineers using a disciplined approach. It provides an overview of computers and programming, and emphasizes general principles and techniques of programme design in C. Topics include basic concepts of variables and types, top-down design with functions, arrays, strings, recursion, structure and union types, text and binary file processing.

Pre-requisite: None

EMEB120 ENGINEERING DRAWING II

Introduction to auxiliary views, mechanical working drawing, gears, cams, intersection and developments, building services drawings and floor plan design.

Pre-requisite: EMEB110

EMEB121 ENGINEERING MATERIALS

Interatomic bonding and crystalline structures, imperfections and diffusion in solids, mechanical properties, strengthening mechanisms, failure of materials, phase diagrams and phase transformations, heat treatment of ferrous and non-ferrous alloys, types of engineering materials: metallic, ceramic, polymeric and composite materials.

Pre-requisite: None

EMEB122 STATICS

Force systems and equilibrium conditions with emphasis on engineering problems. Statics of particles and rigid bodies. Equivalent system of forces. Centroids and centers of gravity, Analysis of structures. Forces in beams and cables. Friction. Moments of inertia. Method of virtual work.

Pre-requisite: None

EMEB210 STRENGTH OF MATERIALS

Fundamental concepts of mechanics of deformable solids (static equilibrium, compatibility of deformation, and material constitutive behavior etc.) Stress and strain, uniaxial tension test, statically indeterminate structures, temperature effects and thermal stress, torsion of circular shafts, simple bending of beams, shear stresses in beams of different cross-sectional shapes, shear centre, combined stresses due to bending, torsion, shear and axial loads, transformation

of stresses, failure criteria and stability and buckling.
Prerequisite: EMEB122

EMEB211 THERMODYNAMICS

Fundamental principles of thermodynamics, foundation in fundamental thermodynamic phenomena including the first and second laws of thermodynamics, thermodynamic properties, equations of state in real and ideal gases. Analysis of engineering systems, such as: gas turbine, compressor, propulsion systems, vapor and gas power cycle, refrigeration cycle, and automobile engines.
Pre-requisite: None

EMEB212 MANUFACTURING TECHNOLOGY

Introduction to manufacturing industry. Manufacturing system, basic machine tool elements, metal cutting, turning, drilling, boring, milling, grinding, welding, hot and cold working, pressworking, thread and gear working, and nontraditional processes.
Pre-requisite: None

EMEB213 ELECTRICAL ENGINEERING

Introduction to electrical engineering. Fundamentals of electric circuits. Analysis of electric networks. Computer-aided circuit analysis. AC power. Residential wiring and distribution of AC power. Introduction to electromechanics. Introduction to electric machines.
Pre-requisite: None

EMEB220 DYNAMICS

This course will introduce to students the fundamentals and principles of kinematics and kinetics of particles and rigid bodies. The topics covered include kinematics of particles and rigid bodies, kinetics of particles and rigid bodies, energy and momentum methods, systems of particles, plane motion of rigid bodies, and basics of mechanical vibrations
Pre-requisite: None

EMEB221 COMPUTER-AIDED DESIGN

Introduction to the fundamentals of computational and numerical geometry for product design. Topics to be covered include design specification, representation and manipulation of curves and surfaces, solid modeling, geometric transformations, graphical visualization, tolerance analysis, and standards for data exchange. The lab practice with prevailing CAD packages enable students to intelligently use them for solving engineering design problems.
Pre-requisite: None

EMEB222 MACHINE ELEMENTS

Introduction to machine elements. Screws, fasteners and the design of nonpermanent joints. Welding and the design of permanent joints. Mechanical springs. Rolling-contact bearings. Lubrication and journal bearings. Gears. Clutches, brakes and couplings. Shaft design. Flexible mechanical elements. Mechanical design and assembly.
Pre-requisite: None

EMEB223 MECHATRONICS

Introduction to the knowledge of mechatronics, control and automation in industrial applications. Sensors and transducers. Signal conditioning. Digital signals. Switches, relays and power-control semiconductors. Motors and motor control. Microprocessor-based control. Programmable logic controllers.
Pre-requisite: None

EMEB310 PRODUCTION MANAGEMENT

Basic management principles. Production and operation management. Production planning. Production control. Project management. Basic quality management and control. Facility planning. Job design. Business angle for product design and TQM concept.

Pre-requisite: None

EMEB311 FLUID MECHANICS

Introduction to basic fluid laws and their applications, fluid statics, conservation equations, continuity and linear momentum equations for control volumes, dimensional analysis, dynamic similarity, flow of incompressible fluids in pipes; boundary-layer concepts, effects of friction, measurement techniques.

Pre-requisite: EMEB122

EMEB312 CONTROL ENGINEERING

Introduction to control system. Dynamic models and dynamic response. Models of industrial control devices and systems. Feedback control, Routh stability. Root locus plots. The Nyquist stability criterion. Matlab simulation for control systems.

Pre-requisite: EMEB213

EMEB320 HEAT TRANSFER

Fundamental of heat transfer, including one and two dimensional steady state heat conduction, transient heat conduction, numerical solutions for heat conduction problem, basic convective heat transfer and thermal radiation. Applications of heat transfer in engineering system.

Pre-requisite: EMEB211

EMEB321 COMPUTER ENGINEERING

Computer organization, memory systems, input and output systems, buses, interfacing, communication mechanisms, interrupt mechanisms, computer networks, distributed systems, communication in distributed systems, D-A conversion, A-D conversion, computer process controls, building automation systems & controls.

Pre-requisite: EMEB111

EMEB350 ADVANCED MANUFACTURING

Introduction to the fundamental concepts of manufacturing systems, computer-aided process planning, CNC programming, group technology, facility layout, flexible manufacturing system, concurrent engineering, rapid prototyping, and automation, etc. Using of computer-aided manufacturing software and advanced machine tools.

Pre-requisite: EMEB120 and EMEB221

EMEB351 ADVANCED MATERIALS FOR ENGINEERING

Specialisation of materials used in industry such as lightweight materials, corrosion and thermal resistance materials, shape memory alloys, conductors, semiconductors and dielectric, magnetic materials, liquid crystals, superconductors, optical fibers, biomaterials, and nano-materials. Electrical, thermal, magnetic, optical and corrosion properties, and case studies.

Pre-requisite: EMEB121

EMEB352 AIRCONDITIONING AND REFRIGERATION

Fundamentals of air conditioning and refrigeration. Psychometrics, cooling and heat load calculations, air conditioning systems, duct design, vapor compression and absorption systems, and the principles of cooling towers.

Pre-requisite: EMEB320 and EMEB311

EMEB353 APPLICATIONS OF VIBRATION AND NOISE CONTROL

Introduction to the guidance in the practice of vibration and noise control. Fundamentals of mechanical vibration and sound waves. Industrial noise and vibration control, interaction between sound wave and solid structures, and statistical energy analysis in noise and vibration. Measurements and signal analysis of noise and vibration.

Pre-requisite: None

EMEB354 COMPUTER TECHNOLOGY IN ENGINEERING

The purpose and role of variables, constants, and procedures in application programming, control programme execution with decision control and looping structures. Concepts of object-oriented programming (OOP).

Prerequisite: EMEB111

EMEB355 CORROSION, WEAR AND DEGRADATION AND MATERIALS

Costs of corrosion and wear, forms of corrosion, electrochemistry, corrosion thermodynamics and kinetics, high temperature oxidation, metallurgical and environmental factors, corrosion protection, coatings and inhibitors, degradation of polymers, friction and lubricants, wear mechanisms, measurement and testing, analysis and correction of corrosion and wear failures, materials selection and safety.

Pre-requisite: EMEB121

EMEB356 ELECTRICAL SERVICES- WIRING AND INSTALLATIONS

Overview of electrical services in building, introduction to wiring regulations, fundamental principles and design applications of electrical wiring installations, electricity distribution in buildings, interconnection facilities, protective devices, protection against direct & indirect contacts, cable management, lightning protection, metering, earthing, bonding and reliability of electricity supply.

Pre-requisite: EMEB213

EMEB357 ELECTROMECHANICAL ENERGY CONVERSION

AC power, magnetic circuits, principles of electro-magnetism and electro-mechanics, principles of motors and generators, dc machines, synchronous machines, induction machines, dc-dc converters, dc-ac inverters, electric drive systems, variable voltage variable frequency drive systems.

Pre-requisite: EMEB213

EMEB358 ELECTRONICS AND INSTRUMENTATION

Basic principles of electronics components and operations of measuring instruments, transducers and signal conditioning techniques. Voltmeter, ammeter, ohmmeters, multi-meters, oscilloscopes, probes, bridges, diodes, bipolar junction transistors (BJT), operational amplifiers (Op Amp), transducers, noise, and filters.

Pre-requisite: EMEB213

EMEB359 FINITE ELEMENT TECHNIQUES IN ENGINEERING

Basics of formulating problems in statics, dynamics and heat transfer into finite-element (FE) models. Data pre-processing and post-processing. Use of commercial FE software (ANSYS). Various types of elements: spring element, bar element, Bernoulli and Timoshenko beam elements, truss element, frame element, 3-noded and 6-noded triangular elements, 4-noded quadrilateral element, axisymmetric element and plate element. Isoparametric transformation. Strengths and weaknesses of the various elements. Derivations of elements will be based on different methods, such as the direct stiffness method and the principle of potential energy.

Pre-requisite: EMEB210 and EMEB220

EMEB360 FUNDAMENTALS OF AUTOMOTIVE ENGINEERING

Fundamentals of internal combustion engines. Emission control. Ancillaries. Electronic control units. Transmissions and driveline. Steering systems. Suspensions. Brakes and tires. Engine and vehicle performance tests. Fundamentals of motor vehicle diagnosis and service. Introduction to electric/hybrid vehicles, alternative fuels and fuel-cell technology.

Pre-requisite: None

EMEB361 INDUSTRIAL DATA MANAGEMENT

Introduction to data management in the modern industry. Designing and specifying information systems, including data modeling techniques and entity-relationship diagrams; Relational

database design using the theory of normalization; Building and manipulating databases, including relational algebra, SQL, and graphical user interfaced database manipulations; World wide web based data systems, including an introduction to HTML, web applications, and MySQL.

Pre-requisite: None

EMEB362 INTELLIGENT BUILDINGS

Principles of sensors, controllers and actuators, building electronics, signal conditioning, networks and communication systems, instrument communication and telemetry, microprocessor based controllers and digital controls; overall systems planning and integration; sustainability and economics; energy conversion technologies, energy use in domestic/non-domestic buildings, design guides, energy management and energy auditing.

Pre-requisite: EMEB213

EMEB363 INTERNAL COMBUSTION ENGINES

Engine classification. Engine components. Operating characteristics. Engine cycles. Fuels. Air and fuel induction. Combustion. Modelling of engines. Exhaust flow. Engine cooling. Friction and lubrication. Emissions and air pollution. Engine management systems.

Pre-requisite: EMEB211

EMEB364 INTERNSHIP

Internship allows students to gain experience in areas relevant to their fields of study. An internship involving a minimum of 5 weekly hours per semester of work with an approved host institution or organization can allow students to gain up to 3 credits towards their degrees. At the completion of the internship, students must submit a report for assessment. Registration of the internship course must be permitted from the departmental internship advisor or department head.

Pre-requisite: None

EMEB365 INTERNSHIP I

Internship allows students to gain experience in areas relevant to their fields of study. An internship involving a minimum of 3 weekly hours per semester of work with an approved host institution or organization can allow students to gain up to 1.5 credits towards their degrees. At the completion of the internship, students must submit a report for assessment. Registration of the internship course must be permitted from the departmental internship advisor or department head.

Pre-requisite: None

EMEB366 INTERNSHIP II

Internship allows students to gain experience in areas relevant to their fields of study. An internship involving a minimum of 3 weekly hours per semester of work with an approved host institution or organization can allow students to gain up to 1.5 credits towards their degrees. At the completion of the internship, students must submit a report for assessment. Registration of the internship course must be permitted from the departmental internship advisor or department head.

Pre-requisite: EMEB365

EMEB367 INTRODUCTION TO COMPUTATIONAL FLUID DYNAMICS

Introduction to Computational Fluid Dynamics. Introduction of finite difference method, finite element method, and Lattice Boltzmann method. Macroscopic, microscopic and mesoscopic length scales. Isothermal and Non-Isothermal incompressible fluid flows. Multi-phase and multi-component flows. Computational fluid dynamics for porous media.

Pre-requisite: EMEB311

EMEB368 INTRODUCTION TO ENGINEERING MANAGEMENT

Overview of the techniques of applying management principles to professional positions held by engineers and engineering technologists. Management functions of planning, organizing, leading, and controlling and their roles in managing technology.

Pre-requisite: None

EMEB369 INTRODUCTION TO FIRE ENGINEERING AND PLUMBING

Fire Engineering is concerned with the applications of scientific and technical principles to the growth, mitigation, and suppression of fire. This includes the effects of fire on people, on structures, on commodities, and on operations. The identification of fire hazards and their risk, relative to the cost of protection, is an important aspect of fire safety design. The fire engineering course mainly covers the fundamental knowledge of fire dynamics and fire modeling. Moreover, the modern fire protection technology such as fire sprinkler and alarm systems, exit and smoke control systems, and the active and passive protection systems is also included in the course. Besides, the plumbing services for fire suppression systems and buildings are also introduced.

Pre-requisite: EMEB311 and EMEB320

EMEB370 INTRODUCTION TO ROBOTICS

Introduction. Robot terminology. Spatial descriptions and transformations. Manipulator kinematics. Jacobians and static forces. Trajectory generation. Linear and nonlinear control of manipulators. Application of various robots.

Pre-requisite: None

EMEB371 MECHANICAL BEHAVIOUR OF ENGINEERING MATERIALS AND BASIC FAILURE ANALYSIS

Introduction to the most important mechanical properties of materials (principally metals). Stress and strain, elastic and plastic behaviours, hardening behaviour, ductility and fracture, creep, fatigue, residual stress, etc. Interactions among different failure-inducing mechanisms (e.g., between corrosion and fatigue) will also be covered. Real case studies of failures in engineering will be used to consolidate the theories introduced in this course.

Pre-requisite: EMEB121

EMEB372 OPTIMIZATION TECHNIQUES AND THEIR APPLICATIONS IN ENGINEERING

Modelling of engineering problems and introduction of algorithms/methods for obtaining their optimal solutions. The topics include constrained and unconstrained objective functions, simplex method for linear programming, duality analysis, integer programming, mixed programming, linear and non-linear programming, sensitivity analysis, steepest decent method, conjugate gradient method, conjugate direction method, newton's method, and Lagrange multiplier method. The use of computer software programmes (e.g., LINDO and MathCAD) for solving optimisation problems will be covered in this course also.

Pre-requisite: MATB120

EMEB373 PRODUCTION SYSTEMS, PLANNING & CONTROL

Elements of production systems. Different types of production systems; Principles and concepts in the design and control of production systems, including organization, production, and advanced quality control, work methods and measurement; Mathematical and computer models for planning and control of facilities, human resources, projects, materials, and information in production systems.

Pre-requisite: None

EMEB374 SPECIAL TOPICS IN ELECTROMECHANICAL ENGINEERING I

Any specialized topic in Electromechanical Engineering chosen by the staff member who has experienced in that particular field, but the topic is not covered by other undergraduate courses in the Electromechanical Engineering Programme.

Pre-requisite: None

EMEB375 SPECIAL TOPICS IN ELECTROMECHANICAL ENGINEERING II

Any specialized topic in Electromechanical Engineering chosen by the staff member who has experienced in that particular field, but the topic is not covered by other undergraduate courses in the Electromechanical Engineering Programme.

Pre-requisite: None

EMEB376 THEORY OF MECHANISMS

Synthesis of linkage-type mechanisms using graphical and computer methods. Introduction to mechanisms and simple machines. More on machines and mechanisms. Planar and spatial mechanisms. Kinematics and dynamics of mechanisms. Links. Frames and kinematic chains. Skeleton outline. Pairs. Higher pairs. Lower pairs and linkages. Kinematic analysis and synthesis. Basic kinematics of constrained rigid bodies. Planar linkages. Cams. Gears. Other mechanisms.

Pre-requisite: None

EMEB410 DESIGN PROJECT

An independent study under the supervision of one or more faculty members. Professional ethics, health, safety and environmental considerations in the engineering project.

Pre-requisite: Final year level

MATB110 CALCULUS I

Functions. Limits and continuity. Properties of continuous functions. Derivatives. Mean value theorems. Applications of derivatives. Indefinite integrals. Methods of integration. Applications of integration.

Pre-requisite: None

MATB111 DISCRETE MATHEMATICS

Sets, subsets, intersection and unions. Equivalence relations and functions. Permutations, combinations, inclusion and exclusion principle, and pigeon-hole principle. Integers, Euclidean division, greatest common divisors, Bezout theorem, modular arithmetic, and Fermat little theorem. Polynomials, generating functions, recursive sequences. Graphs. Eulerian and Hamiltonian graphs, bipartite graphs, direct graphs and trees.

Pre-requisite: None

MATB112 LINEAR ALGEBRA I

Systems of Linear Equations and matrices. Gaussian elimination. Determinants. Cramer's rule. Euclidean Spaces. Addition and scalar multiplication of vectors. Linear transformations. Vector Spaces. Linear independence and linear dependence.

Pre-requisites: None.

MATB120 CALCULUS II

Definite integrals. Fundamental theorem of calculus. Applications of definite integrals. Approximations of definite integrals. Sequence and series. Power series and Taylor series.

Pre-requisite: MATB110

MATB121 GEOMETRY

Euclidean geometry, Euclidean space, inner product, distance, and angle. Isometries. Vectors in planes and spaces. Lines and planes and surfaces in 3-dimensional space. Linear transformations, projections, orientations and determinants, isomorphisms, and general linear groups. Symmetries and regular polyhedrons. Affine geometry. Affine spaces and affine transformations. Brief discussion on the development of various geometries such as Euclidean and non-Euclidean ones.

Pre-requisite: None

MATB122 LINEAR ALGEBRA II

Vector Spaces. Basis and dimension. Matrices, row spaces, column spaces and null spaces.

Rank and nullity. Inner product spaces. Inner products and orthonormal bases. Gram-Schmidt process. Least square problems and orthogonal matrices. Eigenvalues and eigenvectors. Diagonalization, orthogonal diagonalization. Linear transformations. Kernel and range. Inverse linear transformations. Similarity. Additional topics include quadratic forms, unitary, normal, Hermitian matrices, and canonical forms.

Pre-requisites: MATB112

MATB210 ENGINEERING MATHEMATICS I

Functions of two or more variables and their derivatives. Applications of partial derivatives. Multiple integrals. Vector fields and line integrals. Surface integrals. Analytic functions of a complex variable.

Pre-requisite: MATB110

MATB211 CALCULUS III

Vectors and analytic space geometry. Norms, convergence of vector sequences, open and closed sets, compact sets. Curves, Frenet frames, surfaces. Functions of several variables. Partial derivatives and their applications, linear approximation, differential, Taylor's formula. Method of Lagrange multiplier. Inverse function theorem, implicit function theorem. Multiple integrals. Green's Theorem. Line and surface integrals. Gauss and Stokes' Theorems.

Pre-requisite: MATB110

MATB212 MATHEMATICAL ANALYSIS I

The axioms for the real number system. Countable and uncountable sets. Sequence of real numbers. Nested intervals theorem. Bolzano-Weierstrass theorem, Cauchy criterion and Heine-Borel Theorem. Limits and continuity of functions. Properties of continuous functions.

Pre-requisite: MATB110

MATB213 PROBABILITY

Sample space, random events, and probability. Discrete and continuous random variables. Distributions, densities, joint distribution, and marginal distributions. Conditional probability and independence, Moments, mean, variance, covariance, Chebyshev's inequality, and moment-generation functions. Special probability distributions, densities, and their applications.

Pre-requisite: MATB110

MAEB214 INTRODUCTION TO EDUCATION

This course aims to help students understand the general law of the human education system. From historical, theoretical and practical perspectives, the course explores the fundamentals of education, the relationship between education and social, political, economic and cultural developments, and the relationship between education and human physical and mental developments, education purposes (teleology), and the relationship between teachers and learners. It also discusses issues about education systems/structure, curriculums and instruction, moral education, educational management, etc.

Pre-requisite: None

MAEB215 EDUCATIONAL PSYCHOLOGY

Educational Psychology includes both psychology and education. The course aims to introduce theories and practices of educational psychology, which includes the fundamentals of educational psychology, the relationship between psychology and education, and the application of educational psychology.

Pre-requisite: None

MAEB216 THEORY OF CURRICULUM AND INSTRUCTION (SECONDARY MATHEMATICS)

This course seeks to elucidate evolution of mathematics education in the 20th century and for the 21st century. Past influential mathematics education reforms affecting mathematics curriculum and instruction are highlighted. Course participants are expected to be conversant

with basic theories and principles of mathematics education, and in particular understand the salient characteristics of Chinese learners. They are familiarized with the course rationale, course objectives, content standards, as well as teaching and evaluation recommendations in accordance with contemporary mathematics curriculum standards. Commonly used mathematics textbooks and resources used in Macao's secondary classrooms are also exemplified.

Pre-requisite: None

MATB220 ENGINEERING MATHEMATICS II

Introduction to linear algebra. Linear differential equations. Fourier series and integrals. Laplace transform. Introduction to partial differential equations.

Pre-requisite: MATB120

MATB221 MATHEMATICAL ANALYSIS II

Differentiation. Mean value Theorem. L'Hopital's Rule. Inverse function theorem. Integration. Upper and lower integrals. Riemann integrals. Fundamental theorem of calculus. Elementary functions. Series of numbers. Tests for convergence. Series of functions. Uniform convergence. Power series and Taylor series.

Pre-requisite: MATB212

MATB222 APPLIED STATISTICS

Sampling distributions: Chi-square distribution, t-distribution, and F-distribution. Laws of large number and Central limit theorems. Estimation: theory and application. Hypotheses testing: theory and application. Linear regressions, correlation analysis, linear statistical model. The analysis of variance: theory and application. Introduction of statistical computing software.

Pre-requisite: MATB213

MAEB223 INTEGRATING IT INTO SECONDARY TEACHING AND LEARNING

The aim of this course is to equip the students with the latest theoretical knowledge in multimedia learning, practical skills on computer tools, and a critical understanding of the application and value of IT in teaching and learning so as to allow students to implement, integrate and manage IT in their actual classroom environment.

Pre-requisite: MATB214

MAEB224 PHILOSOPHY OF EDUCATION

This course is designed to show the important influence of educational philosophy on different philosophical theories. All educators and educational investigators should be equipped with a knowledge base of Western and Chinese educational philosophies in order to seek a correct educational orientation. The course will cover topics such as the definition of philosophy and education, their relationships and their basic problems, with a systematic analysis, comparison and evaluation of various schools of educational philosophies, studying their advantages, disadvantages and their influences on teaching. Other topics include analysis of educational concepts, critique of educational philosophies, examination of classical educational doctrines, evaluation of modern educational problems and reflection on one's educational beliefs and aspirations.

Pre-requisite: None

MATB225 NUMERICAL ANALYSIS

Introduction to algorithm. Error analysis. Interpolation. Remainder of interpolation. Error estimate. Spline function. Numerical integration.

Pre-requisite: MATB120

MATB226 OPERATIONS RESEARCH

Linear programming and simplex method. Revised simplex method. Duality of linear programming. Sensitivity analysis. Transportation and assignment problems. Network flow problems. Game theory.

Pre-requisite: MATB112 and MATB220

MATB310 ORDINARY DIFFERENTIAL EQUATIONS

First-order differential equations. Second-order linear differential equations. Higher order linear differential equations. Systems of differential equations. Power series solutions of linear differential equations, Sturm-Liouville problems. Laplace transforms. Existence and uniqueness theorem of first-order differential equations. Simple modeling problems.

Pre-requisite: MATB120

MATB311 COMPLEX ANALYSIS

Complex numbers. Polar coordinates. Functions of a complex variable. Limits. Derivatives of complex functions. Cauchy-Riemann equations. Harmonic functions, harmonic conjugates. Elementary complex functions, Möbius transformations. Contour integrals. Cauchy-Goursat Theorem. Cauchy integral formula. Liouville's theorem. Maximum moduli of functions. Taylor series. Laurent series. Residue theorems. Evaluation of improper integrals. Rouché's theorem.

Pre-requisite: MATB120

MATB312 ELEMENTARY NUMBER THEORY

Divisibility theory of the integers, primes, unique factorization, congruence. Fermat's little theorem, Diophantine equations. Quadratic residues and quadratic reciprocity laws, primitive roots. Pell's equations and continued fractions.

Pre-requisite: None

MAEB313 SUBJECT BASED TEACHING METHODS (SECONDARY MATHEMATICS) I

This course focuses on empowering course participants to write teachable lesson plans and programme of study pertaining to three key domains of secondary mathematics curriculum: elementary expressions and functions depicting changes and relationships; and coordinates, synthetic and dynamic geometry; special topics of mathematical investigations. Due attention is paid on professional treatment of a number of issues that have a bearing on successful meaningful student learning: educational objectives in accordance with key stages of secondary education; mathematical literacy, competencies, and thinking underpinning various pedagogic and instructional models; history of development of mathematics in different cultures; psychology of mathematics learning, particularly for Chinese learners and different gender; use of calculators and ICT tools for mathematics education; and good balance of assessment of learning and assessment for learning.

Pre-requisite: MAEB214

MAEB314 COUNSELING AND GUIDANCE

This course aims to introduce school counseling theories and classroom management techniques. It covers basic counseling knowledge and skills to facilitate the personal growth of teachers and their students. Furthermore, the course encourages teachers to practice their counseling skills within their school settings.

Pre-requisite: MAEB214

MATB315 INTRODUCTION TO STOCHASTIC PROCESS

Conditional expectation, conditional probability, and convergences of random variables. Poisson process and compound Poisson process. Markov chain and Markov processes. Stochastic processes with independent increments, stationary process, and the ergodic theorem. Brownian motion and diffusions.

Pre-requisites: MATB213

MATB320 ABSTRACT ALGEBRA

Groups. Cyclic groups and permutation groups. Cosets and Lagrange theorem. Homomorphisms. Normal subgroups and factor groups. Group action and counting. Rings. Integral domains. Ring homomorphisms. Ideals and quotient rings. Field of quotients. Rings of polynomials. Introduction to Fields.

Pre-requisite: MATB111

MAEB321 SUBJECT BASED TEACHING METHODS (SECONDARY MATHEMATICS) II

This course focuses on empowering course participants to write teachable lesson plans and programme of study pertaining to two key domains of secondary mathematics curriculum: numbers and algebra; and statistics and probabilities. Due attention is paid on professional treatment of a number of issues that have a bearing on successful meaningful student learning: educational objectives in accordance with key stages of secondary education; mathematical literacy, competencies, and thinking underpinning various pedagogic and instructional models; history of development of mathematics in different cultures; psychology of mathematics learning, particularly for Chinese learners and different gender; use of calculators and ICT tools for mathematics education; and good balance of assessment of learning and assessment for learning.

Pre-requisite: MAEB313

MAEB322 LEARNING TECHNOLOGY FOR SECONDARY MATHEMATICS TEACHING

The use of dynamic mathematics software can not only help students develop a better understanding of abstract mathematics concepts, but also help students look into the essence of mathematics and develop a positive attitude towards mathematics learning. This course aims at enhancing student teachers' understanding of various applications of learning technologies, so as to empower them to use the contemporary technologies effectively in secondary mathematics teaching and learning. Specifically, the course provides an overview of the latest development of learning technologies, with emphases on its effective use with appropriate instructional designs. To achieve this end, this course will examine how to integrate contemporary learning technologies with recommended instructional methodologies within secondary mathematics learning contexts so as to fulfill the objectives of the mathematics curriculum standards. After completion of the course, student teachers will be able to integrate the acquired learning technologies to support students' development in mathematics education, and take up related challenges with confidence and efficacy.

Pre-requisite: MAEB223

MATB323 PARTIAL DIFFERENTIAL EQUATIONS

Characteristics, classification of PDE, separation of variables, Fourier transform, and Laplace transform. Well-posedness of the wave and the heat equations. Boundary value problems for the Laplace and Poisson equations. Separation of variables.

Pre-requisite: MATB120 and MATB221

MATB324 MATHEMATICS EXPERIMENTS

Introduction to MATLAB programming, function graphing, data analysis, and modular arithmetic. Multiplication and decomposition of matrices. Selected topics includes computer simulations, numerical differential equations, numerical nonlinear equations, numerical integration in approximating integrals, application of wavelet transformation, FFT, and cases studies in optimization.

Pre-requisite: MATB120

MATB325 INTRODUCTION TO REAL ANALYSIS AND HILBERT SPACES

Real number system, open and closed sets. Lebesgue measure theory. Measurable functions. Lebesgue integration theory. Normed linear spaces. Inner products. Convergence and completeness. Orthonormal basis. Continuous linear functionals and dual spaces.

Pre-requisite: None

MATB350 MATHEMATICAL ANALYSIS III

Metric spaces. Open sets and closed sets. Limit points. Completeness. Compactness and connectedness. Functions on metric spaces. Normed linear spaces. Fixed-point theorem. Functions of several variables. Implicit and inverse function theorems. Additional topic includes Riemann mapping theorem.

Pre-requisite: MATB221

MATB351 HISTORY OF MATHEMATICS

We will explore some major themes in mathematics—calculation, number, geometry, algebra, infinity, formalism—and their historical development in various civilizations, ranging from the antiquity of Babylonia and Egypt through classical Greece, the Middle and Far East, and on to modern Europe. We will see how the earlier civilizations influenced or failed to influence later ones and how the concepts evolved in these various civilizations.

Pre-requisite: None

MATB352 INTRODUCTION TO STOCHASTIC CALCULUS

Conditional expectation, Brownian motion, diffusions, and martingales. Ito's stochastic integral, Ito's formula, and stochastic calculus. Stochastic differential equations and their applications.

Pre-requisite: MATB315

MATB353 TIME SERIES ANALYSIS

Time series and stationary processes. Autocovariance and partial autocorrelation functions. Tests for stationarity. Linear stationary models, autoregressive models, moving average models, and mixed autoregressive-moving average models. Model identification, estimation and testing. Seasonal models. Applications of times series forecasting.

Pre-requisite: MATB222 and MATB315

MATB354 APPLIED LINEAR ALGEBRA

Inner product spaces and tensor products. Sensitivity and conditioning. Matrix and vector norms. LU factorization. QR factorization. Singular value decomposition. Least squares problems. Direct sums and orthogonal subspaces.

Pre-requisite: MATB122

MATB355 NUMERICAL MATRIX ANALYSIS

Matrix factorizations. Perturbation and error analysis. Operation cost and convergence rate. Direct Methods for linear systems. LU and Cholesky factorizations. Perturbation and error analysis. Vector and matrix norms. Perturbation analysis for linear systems. Error analysis. Classical iterative methods. Jacobi and Gauss-Seidel method. Convergence analysis. SOR method. Krylov subspace methods. Steepest descent method. Conjugate gradient method. Practical CG method and convergence analysis. Preconditioning. GMRES method.

Pre-requisite: MATB122, MATB211 and MATB210

MATB356 INTRODUCTION TO COMPUTATIONAL INTELLIGENCE

The artificial neuron and its learning. Supervised learning neural networks. Back propagation algorithm. Feedforward multilayer ANN. Approximation theorem of ANN. Genetic algorithms. Travelling salesman problem and applications of computational intelligence methods in finance and engineering.

Pre-requisite: MATB120

MATB357 MATHEMATICAL MODELING

Modeling techniques for analysis or decision-making. The detailed content in this course can vary from extending students' training and understanding in applied mathematical knowledge to further study in specific areas in applied mathematics.

Pre-requisite: MATB226 and MATB120

MATB358 TOPICS IN APPLIED MATHEMATICS

Content and reading materials are to be determined by the instructor. Students have to give presentations on the reading materials.

Pre-requisite: Final year students only

MATB359 FINAL YEAR PROJECT

The students will study selected topics in mathematics under supervision of a faculty member. The student has to submit a report and give a presentation of the study for assessment.
Pre-requisite: Final year students only

MATB360 INTRODUCTION TO FINANCIAL MATHEMATICS

Financial derivatives, vanilla options, and exotic options. Binomial financial model and Cox-Ross-Rubinstein option pricing formula. Black-Scholes financial model and Black-Scholes option pricing formula. No-arbitrage, risk-neutral probability, and the completeness of financial market.
Pre-requisite: MATB352

MAEB410/420 SUPERVISED TEACHING AND SCHOOL EXPERIENCE I AND II

Placing student teachers in the actual classrooms of various Macao secondary schools for teaching practice (TP) and hands-on experience is an important component of teacher training and teacher education. Through school visits, lesson planning and preparations, class observations, reflective assessment and self-evaluation, they grow from student teachers to frontline classroom teachers. There is regular and close supervision from FED supervisors, who will see to it that TP students demonstrate competence and efficiency to meet the needs of their students by applying what they have learned over the years. Capable and experienced teachers in these schools are appointed to help as tutors/mentors and work in close collaboration with FED staff to provide guidance and pastoral care.
Pre-requisite: MAEB321

MAEB411 SOCIOLOGY OF EDUCATION

This is an introductory course on the Sociology of Education. It provides a brief introduction to the basic sociological concepts and perspectives. By applying these concepts and perspectives, the course intends to let participants have a broad and profound understanding of Macao society and its educational system.
Pre-requisite: MAEB214

MATB412 FOURIER AND SIGNAL ANALYSIS

Fourier series. Convergence of Fourier series. Fourier and inverse Fourier transformations. Fourier spectrum, discrete and continuous signals. Shannon sampling theorem, filter and convolution. Z-transform, linear time-invariance, filter, and system. Impulse (delta-) function, Hilbert transformation, and analytic signal. Physically realizable signals, Hardy spaces, FFT, correlation analysis, full-pass filter, minimum phase, and minimum energy signals. Phase delay and group delay. Window Fourier transform. Time-frequency distribution. Phase derivative and instantaneous frequency. Rational orthonormal system. Adaptive Fourier expansion.
Pre-requisite: MATB120

MAEB421 ELEMENTARY MATHEMATICS TEACHING AND RESEARCH

Around the world, students encounter persistent difficulties (both cognitive and affective) in their learning of some elementary mathematics topics (e.g. fractions, negative numbers, solving word problems, mathematical proofs). Course participants are empowered to study empirical research reports of relevant teaching experiments that aim to overcome these learning difficulties. Under guidance, they are expected to devise or revise lesson plans in the light of research findings and engage in reflective action research so as to relate theory and practice underpinning the teaching experiments.
Pre-requisite: MAEB214

MAEB450 EDUCATIONAL ADMINISTRATION

This course allows students to understand the basic concepts of educational administration. Students will study and discuss Macao educational acts and decrees. They will also learn the basic theories related to educational administration, such as theories with regard to motivation, leadership, communication and organizational decision-making. Attempts will be made to make

this course related to the educational reality in Macao.
Pre-requisite: MAEB214

MAEB451 EDUCATIONAL EVALUATION

This course seeks to introduce students to the basics of achievement testing and reporting. Both theory and practice are emphasized. In addition, recent advances in the evaluation of personality, intelligences, creativity and problem-solving are also introduced.

Pre-requisite: MAEB214

MAEB452 RESEARCH IN MATHEMATICS EDUCATION

Around the world, mathematics educators formulate research questions to solve perplexing problems and address salient issues to meet the needs of the student body they serve. For instance, there are lesson studies conducted to help build up a learning organization and professional learning communities in schools. Course participants are empowered to study empirical research reports that address some of these contemporary issues. Under guidance, they are expected to write a review of the state-of-the-art of an issue with implications for teaching and learning in everyday mathematics classrooms.

Pre-requisite: MAEB421

MAEB453 INTRODUCTION TO SPECIAL EDUCATION

This course aims at providing students with knowledge, understanding and care of pupils with special needs so as to further their education professional knowledge and development. By means of different teaching activities, students will have better understanding of definitions, characteristics and causes of pupils with various special needs; educational emphases and needs of these pupils; contemporary situations of special education in Macao and skill-training and employment situations of teenagers; and the latest trends in contemporary special education.

Pre-requisite: MAEB214

MAEB454 TEACHER ETHICS AND TEACHER PROFESSIONAL DEVELOPMENT

The aim of this course is to prepare students to develop teachers' professional morality. After that, they can give their students 'whole-person' education by integrating teachers' instruction, their model and their environment. The experience and the development of teacher's professional morality are fully represented in the different relationships in their work, including facing themselves, their colleagues, students, students' parents and society. The content of this course includes learning different principles of teachers' professional ethics, and how to use and develop these theories reasonably in their teaching lives.

Pre-requisite: MAEB214

PHYS120 PHYSICS I

The first part of fundamental course in physics for science and engineering majors provides the basic concepts and principles of physics. This course covers motions, mechanics, dynamics, rotation, gravity, oscillations, vibrations, sound, fluids, heat transfer, gas kinetics and thermodynamics. This course will use algebra, trigonometry and calculus to model physical behaviors. Experiences and demonstration related to lectures are provided for students to develop their ability in data analysis and for various applications.

Pre-requisite: None

PHYS210 PHYSICS II

The second part of a calculus-based physics course designed specifically for science and engineering majors. Topics include principles of electricity and magnetism, direct and alternating circuits, electromagnetic waves, optics and diffraction. Selected experiments in technical physics are specifically provided.

Pre-requisite: PHYS120

PROGRAMMES OF STUDY

Faculty of Social Sciences

PhD Programmes

AREAS OF STUDY

- Communication
- Economics
- History
- Political Science
- Psychology
- Public Administration
- Sociology

PhD Programmes

■ Communication

For students admitted with a relevant Master's degree

Doctoral Thesis		Credits
COMM899	Doctoral Thesis	18

Courses		Credits
FSSG805	Research Ethics	0
FSSG807	Academic Writing and Scholarship	3
COMM854	Academic Writing for Communication Research*	3

Choose TWO (2) of the following Courses		Credits
FSSG802	Quantitative Research Methods	3
FSSG803	Qualitative Research Methods	3
FSSG808	Social Theory	3
FSSG806	University Teaching and Practice	3

Total Credits:	30
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For students admitted without a relevant Master's degree

In addition to the above, students are required to take the following 2 courses:

COMM701	Theories of Mass Communication	3
COMM702	Research Methods of Mass Communication	3

Total Credits:	36
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Notes:

* "Academic Writing for Communication Research" can be substituted by another FSS PhD course upon recommendation of the student's supervisor and/or Advisory Committee.

FACULTY OF SOCIAL SCIENCES

PhD Programmes

■ Economics

Doctoral Thesis		Credits
ECON899	Doctoral Thesis	18

Courses		Credits
FSSG805	Research Ethics	0
FSSG807	Academic Writing and Scholarship	3
Choose 1 of the following courses:		
FSSG802	Quantitative Research Methods	3
FSSG803	Qualitative Research Methods	3
FSSG808	Social Theory	3
FSSG806	University Teaching and Practice	3
Choose 2 of the following courses*:		
ECON807	Advanced Topics in Microeconomics	3
ECON806	Advanced Topics in Macroeconomics	3
ECON805	Advanced Topics in Econometrics	3

Total credits:	30
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For students admitted without a relevant Master's degree

In addition to the above, students are required to take 2 of the following courses as suggested by FSSGSC:

ECON700	Microeconomic Theory	3
ECON730	Macroeconomic Theory	3
ECON760	Methods of Economic Research	3
ECON761	Econometric Analysis I	3

Total credits:	36
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Notes:

* "Advanced Topics in Microeconomics", "Advanced Topics in Macroeconomics" and "Advanced Topics in Econometrics" can be substituted by another FSS PhD course upon recommendation of the student's supervisor and/or Advisory Committee..

PhD Programmes

■ History

Doctoral Thesis **Credits**

HIST899	Doctoral Thesis	18
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Core course(s) **Credits**

FSSG805	Research Ethics	0
FSSG807	Academic Writing and Scholarship	3
HIST861	Advanced Reading/Historiography Seminar	3
HIST802	Advanced Special Topics in History	3

Choose 2 out of 4 from the following courses:

FSSG802	Quantitative Research Methods	3
FSSG803	Qualitative Research Methods	3
FSSG808	Social Theory	3
FSSG806	University Teaching and Practice	3

Total Credits:	33
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For students admitted without a relevant Master's degree **Credits**

In addition to the above, students are required to take the following 2 courses:

HIST780	Advanced Historical Theory and Practice	3
HIST782	Advanced Writing Seminar	3

Total Credits:	39
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Notes:

1 "Advanced Reading/Historiography Seminar" and "Advanced Special Topics in History" can be substituted by another FSS PhD course upon recommendation of the student's supervisor and/or Advisory Committee.

2 "Advanced Special Topics in History" can be taught either in English or Chinese by any of faculty members in the Department

FACULTY OF SOCIAL SCIENCES

PhD Programmes■ **Political Science**

Doctoral Thesis		Credits
POLI899	Doctoral Thesis	18

Courses		Credits
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FSSG805	Research Ethics	0
FSSG807	Academic Writing and Scholarship	3
POLI804	Seminar on Selected Topics on International Relations*	3
Choose 2 of the following courses:		
FSSG802	Quantitative Research Methods	3
FSSG803	Qualitative Research Methods	3
FSSG808	Social Theory	3
FSSG806	University Teaching and Practice	3

Total credits:	30
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For students admitted without a relevant Master's degree

In addition to the above, students are required to take 2 of the following courses:

IRPA704	Seminar on International Relations	3
IRPA714	Seminars on Current Issues	3
IRPA715	Seminars on Selected Topics of International Relations	3

Total credits:	36
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Notes:

* Seminar on Selected Topics on International Relations course can be substituted by another FSS course upon recommendation of the student's supervisor and/or Advisory Committee.

PhD Programmes

■ Psychology

Doctoral Thesis		Credits
PSYG899	Doctoral Thesis	18

Courses	Credits
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FSSG805	Research Ethics	0
FSSG807	Academic Writing and Scholarship	3

Choose ONE of the following:

FSSG802	Quantitative Research Methods	3
FSSG803	Qualitative Research Methods	3
FSSG808	Social Theory	3
FSSG806	University Teaching and Practice	3

Choose TWO of the following:

PSYG805	Advanced Topics in Psychological Research Methods	3
PSYG810	Seminar in Psychological Sciences	3
PSYG811	Seminar in Personality and Social Psychology	3
PSYG812	Seminar in Applied Psychology	3
PSYG813	Seminar in Selected Topics in Psychology	3

Total credits:	30
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For students admitted without a relevant Master's degree

In addition to the above, students are required to take the following courses:

Choose TWO courses from the Master of Social Sciences in Clinical Psychology programme**	6
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Total credits:	36
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Notes:

**Supervisors may advise their students regarding the most appropriate choice from the list provided.*

FACULTY OF SOCIAL SCIENCES

PhD Programmes

■ Public Administration

Doctoral Thesis		Credits
POLI899	Doctoral Thesis	18

Courses		Credits
FSSG805	Research Ethics	0
FSSG807	Academic Writing and Scholarship	3
PADM803	Selected Topics in Public Administration*	3
Choose 2 of the following courses:		
FSSG802	Quantitative Research Methods	3
FSSG803	Qualitative Research Methods	3
FSSG808	Social Theory	3
FSSG806	University Teaching and Practice	3

Total credits:	30
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For students admitted without a relevant Master's degree

In addition to the above, students are required to take 2 of the following courses:

PADM701	Public Administration: Theory and Practice	3
PADM702	Public Policy Analysis	3
PADM703	Public Finance	3
PADM704	Human Resources Management	3

Total credits:	36
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Notes:

* Seminar on Selected Topics on International Relations course can be substituted by another FSS course upon recommendation of the student's supervisor and/or Advisory Committee.

PhD Programmes

■ Sociology

Doctoral Thesis		Credits
SOCY899	Doctoral Thesis	18

Compulsory Courses		Credits
FSSG805	Research Ethics	0
FSSG807	Academic Writing and Scholarship	3
SOCY800	Selected Topics in Advanced Sociological Theories	3
SOCY802	Selected Topics in Advanced Research Methods	3

Required Elective Courses		Credits
(Choose 1 out of 4 from the following courses)		
FSSG802	Quantitative Research Methods	3
FSSG803	Qualitative Research Methods	3
FSSG806	University Teaching and Practice	3
FSSG808	Social Theory	3
(Choose 1 out of 2 from the following courses)		
SOCY801	Selected Topics in Specialized Theories	3
SOCY803	Paper/ Thesis Writing and Publication	3

Total Credits:	33
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Students admitted without a relevant Master's degree are required to take 1 of the following 4 courses in addition to the above.

CCJS700	Criminology and Criminal Justice	3
CCJS703	Applied Statistics	3
CCJS710	Research Methods	3
CCJS720	Special Topics in Criminology and Criminal Justice I	3
Total Credits:		36

Notes:

* *Selected Topics in Advanced Sociological Theories and Selected Topics in Advanced Research Methods can be substituted by another FSS PhD course upon recommendation of the student's supervisor and/or Advisory Committee.*

FACULTY OF SOCIAL SCIENCES

Master's Degree Programmes

Communication and New Media

Year I	Credits
Compulsory Courses, Semester I:	
COMM701 Theories of Mass Communication	3
COMM702 Research Methods of Mass Communication	3
COMM706 New Media and Communication Studies	3
3 Elective Courses, Semester II: <i>students choose courses from the Elective Course list in Communication</i>	9
Total Credits:	18

Year II (Academic or Creative Thesis)	Credits
2 Elective Courses, Semester I:	6
Compulsory Courses, Semester II: <i>students choose to write an Academic or Creative Thesis</i>	6
Total Credits:	12

or

Year II (Applied Thesis)	Credits
3 Elective Courses, Semester I:	9
Compulsory Courses, Semester II: <i>Applied Thesis</i>	3
Total Credits:	12

Compulsory Courses

COMM701	Theories of Mass Communication	3
COMM702	Research Methods of Mass Communication	3
COMM706	New Media and Communication Studies	3
COMM797	Applied Thesis	3
COMM798	Creative Thesis or	6
COMM799	Academic Thesis	6

Elective Courses

COMM703	Communication Patterns and Culture in Greater China	3
COMM704	International and Intercultural Communication	3
COMM705	Public Opinion	3
COMM707	Special Topics on Journalism and E-News	3
COMM708	Special Topics on Advertising	3
COMM709	Special Topics on Public Relations	3
COMM711	Communication and Social Change	3
COMM712	Media Functions and Management	3
COMM714	Professional Writing in English	3
COMM715	Digital Media	3
COMM716	Special Topics on Communication and Society	3
COMM717	Special Topics on Communication and Culture	3
COMM718	Special Topics on Communication Research	3
COMM719	Creative and Cultural Industries: A Media Studies Approach	3
COMM720	Internship	3

FACULTY OF SOCIAL SCIENCES

Master's Degree Programmes**Criminology and Criminal Justice**

Year I	Credits
Compulsory Courses	
CCJS700 Criminology and Criminal Justice	3
CCJS701 Criminological Theories	3
CCJS703 Applied Statistics	3
CCJS710 Research Methods	3
4-5 Elective Courses from the following:	12-15
<i>Four of the following courses are required for students who choose to work on the Academic Thesis; five of the following courses are required for students who choose to work on the Applied Thesis</i>	
CCJS704 Policing	
CCJS705 Corrections	
CCJS711 Comparative Criminology	
CCJS712 Substance Abuse and Addiction	
CCJS713 Advanced Statistics	
CCJS714 Crime Prevention	
CCJS715 Criminal Psychology	
CCJS720 Special Topics in Criminology and Criminal Justice I	
CCJS721 Special Topics in Criminology and Criminal Justice II	
Total Credits:	24-27

Year II	(Academic Thesis or Applied Thesis)	Credits
CCJS797	Applied Thesis	3
	<i>or</i>	
CCJS798	Academic Thesis	6
Total Credits:		3-6

Master's Degree Programmes
Economics

Year I		Credits
Compulsory Courses		
ECON700	Microeconomic Theory	3
ECON730	Macroeconomic Theory	3
ECON760	Methods of Economic Research	3
ECON761	Econometric Analysis I	3
4 Elective Courses from the following:		12
ECON731	International Trade and Finance	
ECON732	Development Economics	
ECON701	Public Economics	
ECON702	Labour Economics	
ECON703	Industrial Organization	
ECON733	Monetary Economics	
ECON780	The Chinese Economy	
ECON781	Regional Economies (Asia-Pacific/European Monetary Union)	
ECON762	Econometric Analysis II	
ECON763	Advanced Topics in Economic Theory	
Total Credits:		24

Year II	(Thesis)	Credits
ECON798	Academic Thesis	6

FACULTY OF SOCIAL SCIENCES

Master's Degree Programmes**European Studies**

Year I		Credits
<u>Module 1</u>		
EURS710	Public Policy and Politics	1.2
EURS711	Governments and EU Governance	1.2
EURS712	Social Policy and European Identity	1.2
EURS715	History of European Integration	1.2
EURS716	Research Methods	1.0
EURS717	Academic Writing	1.0
<u>Module 2</u>		
EURS724	Introduction to Macroeconomics	1.2
EURS725	Theory of European Integration	1.2
EURS726	Economic Policies of The EU	1.2
EURS727	The European Monetary Union in the World Context	1.2
EURS728	Globalization and EU's Foreign Direct Investment	1.0
EURS730	Innovation and the World Economy	1.0
EURS737	EU and Sustainable Development	1.0
<u>Module 3</u>		
EURS734	EU Law I: Institutions and Treaties	1.2
EURS735	EU Law II: Four Freedoms	1.2
EURS738	The Lisbon Treaty and Institutional Reform	1.2
<u>Module 4</u>		
EURS745	Theory of International Relations	1.2
EURS746	External and Security Policies of EU	1.2
EURS747	EU and the World I: The Neighbourhood	1.2
EURS748	EU and the World II: EU-Asia Relations	1.2
EURS749	EU and the World III: The Rest of the World	1.0
Total Credits:		24
Year II		Credits
(Academic Thesis)		
EURS798	Academic Thesis	6

Master's Degree Programmes

History

Year I		Credits
Compulsory Courses		
HIST780	Advanced Historical Theory and Practice	3
HIST781	Advanced Reading Seminar	3
HIST782	Advanced Writing Seminar	3
5 Required Elective Courses		15
<ul style="list-style-type: none"> with prior approval of the Department of History Graduate Studies Committee, up to two of the required electives may be a master level course outside of the history programme at other faculties of FAH, FBA, FED or FLL 		

Year II	(Academic Thesis or Applied Thesis)	Credits
HIST797	Applied Thesis	3
	or	
HIST798	Academic Thesis	6
Total Credits:		3-6

Table of Required Elective Courses

HIST750	Macao, China and World Heritage	3
HIST751	Cultural History of Macao in Ming and Qing Dynasties	3
HIST753	Architecture and History	3
HIST754	Buddhist Sculptures and Paintings	3
HIST755	U.S. Diplomatic History since 1900	3
HIST756	Diasporas in South of China	3
HIST757	Late Imperial China	3
HIST758	Pirates in World History	3
HIST759	Cultural History of Macao since the Early Republic of China	3
HIST762	Law and Society in Ancient China	3
HIST763	Social and Cultural History of South China	3
HIST764	Indian, Chinese and Japanese Religions	3
HIST765	Buddhist Art: Theory and History	3
HIST766	Asian Culture	3
HIST767	Family and Gender in Asian History	3
HIST768	East-West Interactions and Exchanges	3
HIST769	Sino-Indian-Southeast Asian Interactions in Early Modern Asia	3
HIST771	Secret Societies and Popular Movements in Modern China	3
HIST772	Historiography of Southeast Asia	3
HIST773	Studies in Imperialism I	3

HIST774	Studies in Imperialism II	3
HIST775	Western Diasporas in Asia	3
HIST776	History and Anthropology	3
HIST783-792	Special Topics in History	3

Master's Degree Programmes

International Relations and Public Policy

Year I		Credits
Compulsory Courses:		
IRPA701	Public Administration: Theory and Practice	3
IRPA702	Public Policy Analysis: Theory and Practice	3
IRPA703	Seminar on Political Science	3
IRPA704	Seminar on International Relations	3
Elective Courses: (Choose 4 out from the following)		12
IRPA705	Seminar on Contemporary Political Theory	
IRPA706	Seminar on International Political Economy	
IRPA707	International Organizations and Global Governance	
IRPA708	International Law	
IRPA709	Constitutional Law	
IRPA710	Administrative Law	
IRPA711	Public Finance: Theory and Practice	
IRPA712	Comparative Human Resources Management	
IRPA713	Research Methods in Public Administration	
IRPA714	Seminars on Current Issues	
IRPA715	Seminars on Selected Topics of International Relations	
IRPA716	Seminars on Selected Topics of Public Management	
Total Credits:		24

Year II	(Academic Thesis)	Credits
IRPA798	Academic Thesis	6

FACULTY OF SOCIAL SCIENCES

Master's Degree Programmes**Macao Studies**

Year I		Credits
Compulsory Courses:		
MOSP701	Introduction to Macao Studies	3
MOSP702	Macao History	3
MOSP703	Politics and Economy in Macao	3
MOSP704	Research Methods	3
4-5 Required Elective Courses from the following:		12-15
MOSP705	Culture, Society, and Education in Macao	
MOSP706	Macaology: Cross-Cultural and Theoretical Perspectives*	
MOSP707	Literature and the Arts in Macao	
MOSP708	Issues in Macao Legal and Public Administration Systems	
MOSP709	Macao in the Chinese and Global Perspectives*	
MOSP710	Urban Geography of Macao	
MOSP711	Historical Heritage of Macao	
MOSP712	Selected Topics I	
MOSP713	Selected Topics II	
MOSP714	Selected Topics in Macaology	
Total Credits:		24-27
Year II (Academic Thesis or Applied Thesis)		Credits
MOSP798	Applied Thesis	3
MOSP799	Academic Thesis	6
Total Credits:		3-6

Remarks:

For students who take Applied Thesis, 5 out of 10 elective courses are required; while for those who take the Academic Thesis, 4 out of 10 elective courses are required.

Master's Degree Programmes

Public Administration

Year I		Credits
Compulsory Courses:		
PADM701	Public Administration: Theory and Practice	3
PADM702	Public Policy Analysis	3
PADM703	Public Finance	3
PADM704	Human Resources Management	3
Elective Courses: (Choose 4 out from the following)		12
PADM705	Public Policy in China	
PADM707	Public Administration in Contemporary China	
PADM708	Organizational Behavior	
PADM709	Political Economy	
PADM710	Research Methods in Public Administration	
PADM711	Constitutional Law	
PADM712	Administrative Law	
PADM713	Decision Making: Theory and Practice	
PADM714	Research Design	
Total Credits:		24

Year II	(Academic Thesis)	Credits
PADM798	Academic Thesis	6

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Bachelor's Degree Programmes**Communication**

Year I	Credits
COMB110 Interpersonal Communication	3
COMB120 New Media	3
COMB121 Introduction to News and Journalism	3
SAGE102 First-Year Experiential Learning	0
3 General Education Courses #	9
2 General Education Courses - "English Language" Courses	6
4 Distribution/Diversity Courses*	12
Total Credits:	36

Year II	Credits
COMB211 Introduction to Public Relations	3
COMB213 Fundamentals of Visual Culture	3
COMB221 Introduction to Culture and Critical Communication	3
COMB254 Intercultural Communication	3
COMB311 English News Writing	3
COMB312 Chinese News Writing	3
2 Required Elective Courses in Communication	6
2 General Education Courses #	6
2 Free Elective Courses	6
Total Credits:	36

Year III	Credits
COMB220 Quantitative Methods II	3
COMB310 Communication Theory	3
COMB320 Qualitative Research Methods	3
2 Required Elective Course in Communication	6
3 General Education Courses	9
2 Free Elective Course	6
Total Credits:	30

Year IV		Credits
COMB410	Field Internship	3
COMB353	Organizational Communication	3
COMB367	Global Media Studies	3
2 Communication Capstone Projects from the following:		6
<i>Students are required to take 2 relevant courses according to their choice of Stream:</i>		
Creative Media		
COMB454	Workshop: Video I	
COMB455	Workshop: Video II	
OR		
Public Communication		
COMB452	Workshop: Event Planning and Implementation	
COMB459	Integrated Communication Campaigns	
OR		
Journalism and Mass Communication		
COMB453	Workshop: Chinese Publication	
COMB456	Workshop: English Publication	
2 General Education Courses		6
3 Free Elective Course		9
Total Credits:		30

General Education Courses

COM major students are required to take **COMB210 Quantitative Methods I** offered in the 2nd semester of Year II to fulfill the GE requirement in the area of Mathematics/Quantitative Reasoning.

***Distribution/Diversity Courses:**

BGPA101	Introduction to Political Science
BGPA102	Introduction to Public Administration
BGPA103	Introduction to International Relations
BGPA104	Introduction to Political Theory
CHNB110	Modern Chinese Language
CHNB111	Modern Chinese Literature
CHNB120	Modern Chinese Grammar and Pragmatics
CHNB121	Contemporary Chinese Literature
CHNB211	Classical Chinese Literature: Pre-Qin to Tang and Five Dynasties
CHNB221	Classical Chinese Literature: Song to Qing Dynasties
ECOB100	Basic Microeconomics
ECOB110	Basic Macroeconomics
ENGB110	Introduction to Literary Studies I
ENGB111	Introduction to the Study of Language
ENGB120	Introduction to Literary Studies II
HSTB110	History of Macao
HSTB111	Ancient Chinese History

HSTB112	Modern Chinese History
HSTB120	History of Modern East Asia
HSTB121	Modern American History
MGMT110	Principles of Business Management
MKTG220	Principles of Marketing
PSYB111	Introduction to Psychology
PSYB150	Personal and Social Competence
SOCB110	Introduction to Sociology

Communication Stream Electives

- Students are required to choose four (4) courses from the Stream Electives in the Table below for the Communication Required Electives.
- The courses are distributed under three (3) specialist streams, namely: Creative Media, Public Communication, and Journalism and Mass Communication.
- Students should complete three (3) Stream Compulsory courses plus any one (1) other course from the Stream Elective List of the **SAME Stream**.

Creative Media:

Stream Compulsory

COMB250	Video Production
COMB363	Documentary
COMB469	Cinema Studies

Stream Electives

COMB251	Photography
COMB350	Digital Graphics
COMB351	Multimedia Design
COMB362	Advanced Video Production
COMB364	Scriptwriting
COMB467	Animation I
COMB468	Animation II
COMB470	Special Topics in Creative Media
COMB471	Cultural Industries and Policies

Public Communication:

Stream Compulsory

COMB222	Introduction to Advertising
COMB356	Persuasion
COMB457	Crisis Management

Stream Electives

COMB252	Public Speaking and Debating
COMB352	Advertising Planning and Strategy
COMB354	Public Relations Planning and Strategy
COMB355	Public Opinion
COMB460	Media Management
COMB461	Special Topics in Public Communication
COMB462	Writing for Public Relations and Advertising

Journalism and Mass Communication:***Stream Compulsory***

- COMB212 Media & Society
- COMB358 Advanced News Writing and Reporting in English
- COMB463 Broadcast Journalism

Stream Electives

- COMB253 Chinese Media History
- COMB357 Advanced News Writing and Reporting in Chinese
- COMB359 Chinese News Editing
- COMB360 English News Editing
- COMB365 Television Studies
- COMB366 Gender, Media and Diversity
- COMB450 Media Law and Ethics
- COMB451 Undergraduate Thesis
- COMB464 New Media Journalism
- COMB465 Political Communication
- COMB474 Macao Media and Culture
- COMB475 Popular Culture and Communication

FACULTY OF SOCIAL SCIENCES

Bachelor's Degree Programmes**Economics**

Year I	Credits
ECOB100 Basic Microeconomics	3
ECOB110 Basic Macroeconomics	3
ECOB120 Mathematics I	3
ECOB121 Mathematics II	3
ECOB122 Statistical Analysis I	3
ECOB123 Statistical Analysis II	3
SAGE102 First-Year Experiential Learning	0
2 General Education Courses - "English Language" Courses	6
General Education Courses	12
Total Credits:	36

Year II	Credits
ECOB200 Intermediate Microeconomics I	3
ECOB201 Intermediate Microeconomics II	3
ECOB210 Intermediate Macroeconomics I	3
ECOB211 Intermediate Macroeconomics II	3
1 English Distribution/Diversity Course	3
1 Distribution/Diversity Course	3
General Education Courses (Physical Education + Visual and Performing Arts + 3 General Education Courses)	12
2 Free Elective Courses	6
Total Credits:	36

Year III		Credits
ECOB310	Money and Banking	3
ECOB320	Econometrics I	3
ECOB330	International Trade	3
ECOB476	Social Science Research Project I	3
2 Distribution/Diversity Courses		6
General Education Courses		6
2 Free Elective Courses		6
Total Credits:		30

Year IV		Credits
ECOB460/	The Modern Macao Economy/	3
ECOB461/	The Chinese Economy/	
ECOB462	Economies of the Asia-Pacific Region	
ECOB435	Public Economics	3
ECOB440	Labour Economics	3
ECOB445	Industrial Economics	3
4 Economics Elective Courses		12
2 Free Elective Courses		6
Total Credits:		30

English DE Courses:

EELC227/228	Introduction to Academic Writing 1 & 2
EELC290/291	Speaking and Fluency/Public Speaking
EELC327/328	Advanced Academic Writing 1 & 2
EELC331/332	Speaking 1 & 2 (Advanced)

Distribution/Diversity Courses:

ACCT100	Principles of Financial Accounting
COMB110	Interpersonal Communication
FINC210	Financial Management (Pre-requisite: ACCT100)
MGMT110	Principles of Business Management
BGPA101	Introduction to Political Science
BGPA102	Introduction to Public Administration
SOCB110	Introduction to Sociology
PSYB111	Introduction to Psychology
HSTB110	History of Macao
HSTB112	Modern Chinese History
HSTB121	Modern American History

Remark: A student is not allowed to take more than one course in any Department under Distribution/Diversity.

Economics Elective Courses:

ECOB300	Managerial Economics
ECOB321	Econometrics II
ECOB322	Mathematics for Economics
ECOB323	Forecasting Methods
ECOB331	International Monetary Economics
ECOB332	International Economic Law
ECOB333	Internship
ECOB350	Development Economics I
ECOB351	Development Economics II
ECOB355	Institutional Economics
ECOB360	Urban Economics
ECOB361	Economy of Hong Kong, Macao and the Pearl River Delta
ECOB362	European Economies
ECOB370	History of Economic Thought
ECOB371	Western Economic History
ECOB372	Chinese Social and Economic History
ECOB375	Applied Economics
ECOB400	Advanced Microeconomics
ECOB401	Game Theory
ECOB402	Economics of Information
ECOB403	Welfare Economics
ECOB410	Advanced Macroeconomics
ECOB455	Law and Economics
ECOB460	The Modern Macao Economy
ECOB461	The Chinese Economy
ECOB462	Economies of the Asia-Pacific Region
ECOB475	Selected Topics in Economics
ECOB477	Social Sciences Research Project II
ECOB478	Financial Economics

Bachelor's Degree Programmes

Government and Public Administration - Public Administration

Year I	Credits
BGPA101 Introduction to Political Science	3
BGPA102 Introduction to Public Administration	3
BGPA103 Introduction to International Relations	3
BGPA104 Introduction to Political Theory	3
SAGE102 First-Year Experiential Learning	0
2 General Education Courses - "English Language" Courses	6
General Education Courses	6
4 Distribution/Diversity Courses	12
Students are required to enrol in 3 different fields from the following 5 fields at least	
<u>Sociology</u>	
- SOCB110 Introduction to Sociology	
- SOCB120 Introduction to Anthropology	
<u>Economics</u>	
- ECOB100 Basic Microeconomics	
- ECOB110 Basic Macroeconomics	
<u>Psychology</u>	
- PSYB111 Introduction to Psychology	
<u>Philosophy</u>	
- PHIY100 Western Philosophy: An Introduction	
- PHIY101 Asian Philosophy: An Introduction	
- PHIY102 Introduction to Logic	
<u>Communication</u>	
- COMB110 Interpersonal Communication	
Total Credits:	36

Year II	Credits
BGPA201 Public Sector Personnel Management	3
BGPA202 Public Sector Organizational Behavior	3
BGPA203 Comparative Politics	3
BGPA204 Social Sciences Research Methods	3
2 Required Elective Courses in Public Administration*	6
2 Free Elective Courses	6
General Education courses	12
Total Credits:	36

Year III	Credits
BGPA301 Administrative Law I	3
BGPA302 Public Finance	3
BGPA303 Public Policy Analysis	3
3 Required Elective Courses in Public Administration*	9
2 Free Elective Courses	6
General Education courses	6
Total Credits:	30

Year IV	Credits
BGPA401 Constitutional Law	3
BGPA402 Research Project	3
4 Required Elective Courses in Public Administration*	12
2 Free Elective Courses	6
General Education courses	6
Total Credits:	30

Required Elective Courses in Public Administration

BGPA207	Public Sector Organizational Structure and Design
BGPA208	Macroeconomic Policy of Development
BGPA209	Government and Bureaucracy in Macao
BGPA210	Politics of Hong Kong and Macao
BGPA211	Politics of China
BGPA307	Public Sector Strategic Planning
BGPA309	Public Relations
BGPA311	Administrative Law II
BGPA312	Statistics for Public Management
BGPA313	European Politics
BGPA325	Democracy and Democratization
BGPA326	E-Government and E-Governance
BGPA327	Game Theory Applications in Politics and Administration
BGPA328	Governance Reform in Contemporary China
BGPA329	Labor Politics and Policy
BGPA330	Politics of the Tourism Economy
BGPA331	Social Policy and Economic Development in Macao
BGPA332	Internship
BGPA406	Administrative Accountability and Ethics
BGPA407	Programme Evaluation and Performance Assessment
BGPA408	Public Administration: Macao and Hong Kong
BGPA409	Public Administration: China
BGPA410	Selected Topics in Public Administration
BGPA411	Honour Thesis for Public Administration

Bachelor's Degree Programmes

Government and Public Administration – International and Public Affairs

Year I	Credits
BGPA101 Introduction to Political Science	3
BGPA102 Introduction to Public Administration	3
BGPA103 Introduction to International Relations	3
BGPA104 Introduction to Political Theory	3
SAGE102 First-Year Experiential Learning	0
2 General Education Courses - "English Language" Courses	6
General Education Courses	6
4 Distribution/Diversity Courses	12
Students are required to enrol in 3 different fields from the following 5 fields at least	
<u>Sociology</u>	
- SOCB110 Introduction to Sociology	
- SOCB120 Introduction to Anthropology	
<u>Economics</u>	
- ECOB100 Basic Microeconomics	
- ECOB110 Basic Macroeconomics	
<u>Psychology</u>	
- PSYB111 Introduction to Psychology	
<u>Philosophy</u>	
- PHIY100 Western Philosophy: An Introduction	
- PHIY101 Asian Philosophy: An Introduction	
- PHIY102 Introduction to Logic	
<u>Communication</u>	
- COMB110 Interpersonal Communication	
Total Credits:	36

Year II	Credits
BGPA203 Comparative Politics	3
BGPA204 Social Sciences Research Methods	3
BGPA205 History of Contemporary International Relations	3
BGPA206 International Law	3
2 Required Elective Courses in International and Public Affairs**	6
2 Free Elective Courses	6
General Education courses	12
Total Credits:	36

Year III	Credits
BGPA304 International Relations Theory	3
BGPA305 International Organization and World Governance	3
BGPA306 Foreign Policy Decision-making	3
3 Required Elective Courses in International and Public Affairs**	9
2 Free Elective Courses	6
General Education courses	6
Total Credits:	30

Year IV	Credits
BGPA403 International Political Economy	3
BGPA404 International Security	3
BGPA405 Capstone Senior Seminar on IR Research Project	3
3 Required Elective Courses in International and Public Affairs**	9
2 Free Elective Courses	6
General Education courses	6
Total Credits:	30

Required Elective Courses in International and Public Affairs

BGPA210	Politics of Hong Kong and Macao
BGPA211	Politics of China
BGPA212	American Politics
BGPA214	Asian Politics
BGPA215	Political and Sustainable Development
BGPA216	Globalization and Development
BGPA313	European Politics
BGPA314	Chinese Foreign Policy
BGPA315	American Foreign Policy
BGPA316	Sino-American Relations
BGPA317	China-European Relations
BGPA318	Foreign Policy of the European Union
BGPA319	China-East Asian Relations
BGPA321	International Political Theory
BGPA322	Capitalism and Modernity
BGPA323	Conflict and Cooperation in International Relations
BGPA324	Religion in International Relations
BGPA332	Internship
BGPA412	International Public Policy
BGPA413	International Environmental and Energy Policy
BGPA414	Selected Topics in International Relations I
BGPA415	United Nations Institutions and Processes
BGPA416	International Human Rights Policy
BGPA417	East Asian International Relations
BGPA419	Honour Thesis for International Relations
BGPA420	Selected Topics in International Relations II
BGPA421	Selected Topics in International Relations III
BGPA422	Selected Topics in International Relations IV

Bachelor's Degree Programmes

History

Year I	Credits
HSTB110 History of Macao	3
HSTB111 Ancient Chinese History	3
HSTB112 Modern Chinese History	3
HSTB113 Historical Theory and Practice	3
HSTB120 History of Modern East Asia	3
HSTB121 Modern American History	3
SAGE102 First-Year Experiential Learning	0
2 General Education Courses - "English Language" Courses	6
General Education Courses	6
1 Elective Courses in History (Required to choose)	3
1 Free Elective Course	3
Total Credits:	36

Year II	Credits
HSTB210 Western Civilizations I	3
HSTB211 History of Portugal	3
HSTB220 Western Civilizations II	3
HSTB221 Reading of Classical Chinese Documents and Historical Materials	3
HSTB222 History of Traditional Southeast Asia	3
General Education Courses	12
2 Elective Courses in History (Required to choose)	6
1 Free Elective Course	3
Total Credits:	36

Year III	Credits
HSTB320 Asian Maritime History	3
General Education Courses	6
2 Elective Courses in History (Required to choose)	6
2 Distribution/Diversity Courses	6
3 Free Elective Courses	9
Total Credits:	30

Year IV	Credits
HSTB411 Internship or HSTB410 Senior History Writing Seminar I	3
HSTB--- 300-level or above required electives course or HSTB420 Senior History Writing Seminar II	3
General Education Courses	6
2 Elective Courses in History (Required to choose)	6
2 Distribution/Diversity Courses	6
2 Free Elective Courses	6
Total Credits:	30

Elective Courses in History (Required to choose)

HSTB150	Contemporary Chinese History
HSTB151	History of Hong Kong
HSTB152	Art History of Ancient China
HSTB153	Art History of Modern China
HSTB154	Field Work in History
HSTB250	Macao in World History
HSTB251	History of Traditional East Asia
HSTB252	History of Modern Southeast Asia
HSTB253	History of Modern South Asia
HSTB254	History of Asian Arts
HSTB255	History of Western Arts
HSTB256	History and Films
HSTB257	History and Novels
HSTB275-279	Special Topics in History
HSTB350	China and World Heritage
HSTB351	Cultural History of Macao
HSTB352	Chinese Painting and Calligraphy
HSTB353	History of U.S. – Asia Relations
HSTB354	Buddhist Arts in China and Macao
HSTB355	History of Chinese Popular Culture
HSTB356	Gender and Women in World History
HSTB357	Crime and Protest in History
HSTB358	History of Medieval Europe
HSTB359	Renaissance and European Expansion
HSTB360	History of Twentieth-Century Russia
HSTB361	The International Cold War in History
HSTB375-379	Special Topics in History
HSTB450	Independent Studies

Distribution/Diversity Courses

- 1 Chinese Classical Language Course (3 credits)
- 1 Portuguese Language or One Japanese Language (3 credits)
- 2 courses chosen from different departments outside the Department of History (6 credits, suggest to choose the course in sequence of the language course)

Bachelor's Degree Programmes**Psychology**

Year I		Credits
PSYB111	Introduction to Psychology	3
PSYB112	Psychology Statistics	3
PSYB121	Developmental Psychology	3
PSYB122	Sensation and Perception	3
SAGE102	First-Year Experiential Learning	0
2 General Education Courses - "English Language" Courses		6
General Education Courses		6
4 Distribution/Diversity Courses		12
Total Credits:		36

Year II		Credits
PSYB211	Learning and Cognition	3
PSYB212	Social Psychology	3
PSYB221	Personality Psychology	3
PSYB222	Psychology of Testing	3
General Education Courses		18
2 Free Elective Courses		6
Total Credits:		36

Year III		Credits
PSYB311	Abnormal Psychology	3
PSYB312	Cross-Cultural Psychology	3
PSYB321	Psychology of Gambling and Addictive Behaviours	3
PSYB322	Research Methods	3
2 Psychology Elective Courses		6
General Education Courses		6
2 Free Elective Courses		6
Total Credits:		30

Year IV	Credits
PSYB411 Senior Thesis Research I	3
PSYB412 Systems and Theories in Psychology	3
PSYB421 Senior Thesis Research II	3
5 Psychology Elective Courses	15
2 Free Elective Courses	6
Total Credits:	30

Psychology Elective Courses

PSYB150	Personal and Social Competence
PSYB250	Close Relationships
PSYB350	Biological Psychology
PSYB351	Community Psychology
PSYB352	Introduction to Clinical Neuropsychology
PSYB353	Introduction to School Psychology
PSYB354	Psychology of Leadership
PSYB355	Qualitative Research Methods
PSYB356	Selected Topics I
PSYB357	Selected Topics II
PSYB358	Consumer Psychology
PSYB450	Introduction to Clinical and Counselling Psychology
PSYB451	Multivariate Statistics for Psychology
PSYB452	Organizational Psychology
PSYB453	Field Experience I
PSYB454	Field Experience II
PSYB455	Global Mental Health

Bachelor's Degree Programmes**Sociology**

Year I	Credits
SOCB110 Introduction to Sociology	3
SOCB111 Reading Sociology	3
SOCB120 Introduction to Anthropology	3
SOCB121 Social Research Methods	3
SAGE102 First-Year Experiential Learning	0
2 General Education Courses - "English Language" Courses	6
General Education Courses	6
4 Distribution/Diversity Courses	12
Total Credits:	36

Year II	Credits
SOCB210 Sociological Theories	3
SOCB220 Quantitative Data Analysis	3
4 Required Elective Courses in Sociology	12
General Education Courses	9
3 Free Elective Courses	9
Total Credits:	36

Year III	Credits
5 Required Elective Courses in Sociology	15
General Education Courses	6
3 Free Elective Courses	9
Total Credits:	30

Year IV	Credits
SOCB410 Research Project	3
4 Required Elective Courses in Sociology	12
General Education Courses	9
2 Free Elective Courses	6
Total Credits:	30

Required Elective Courses in Sociology**A: Core Courses** – Students are required to enrol in a minimum of 6 credits:

SOCB250	Political Sociology
SOCB251	Social Stratification and Inequality
SOCB252	Development and Globalization
SOCB268	Migration
SOCB350	Gender and Society

B: Topical Courses*Research Methodology and Thesis*

SOCB253	Qualitative Social Research Methods
SOCB352	Survey methods and Sampling
SOCB353	Internship
SOCB450	Senior Thesis

Social Institutions

SOCB254	Population and Society
SOCB255	Kinship, family and Marriage
SOCB256	Sociology of Deviance
SOCB257	Sociology of Gaming
SOCB354	Law and Society
SOCB355	Religion and Society
SOCB356	Sociology of Education

Social Transformations

SOCB259	Environment and Society
SOCB357	Social Movements
SOCB360	Colonialisms and Post-Colonialisms
SOCB454	Sociology of Consumption and Leisure

Anthropology

SOCB262	Theory in Anthropology
SOCB361	Urban Anthropology
SOCB362	Culture and Global Tourism
SOCB363	Culture, Ethnicity and Transnationalism

Criminology

SOCB263	Criminology
SOCB264	Drugs and Crime
SOCB265	Gambling and Crime
SOCB269	Policing
SOCB364	Community and Crime
SOCB365	Social Change and Crime
SOCB367	White-Collar Crime
SOCB369	Crime and Criminal Justice in China
SOCB370	Psychology of Criminal Behavior
SOCB453	Globalization and Corporate Social Responsibility

Area and Seminar Courses

SOCB266	Macao Society
SOCB267	Chinese Society
SOCB366	Health and Society
SOCB368	Genes and Society
SOCB451	Selected Topics in Sociology
SOCB452	Selected Topics in Anthropology

Distribution/Diversity Courses

BGPA101	Introduction to Political Science
BGPA102	Introduction to Public Administration
ECOB100	Basic Microeconomics
ECOB110	Basic Macroeconomics
HSTB150	Contemporary Chinese History
HSTB251	History of Traditional East Asia
PHIY100	Western Philosophy: An Introduction
PHIY101	Asian Philosophy: An Introduction
PHIY102	Introduction to Logic
PSYB212	Social Psychology

Course Description

BGPA101 INTRODUCTION TO POLITICAL SCIENCE

This course is designed to provide an introduction to political science. It will examine major concepts, issues, and methods of political science through an overview of the principal subjects in the discipline. Specific topics include political philosophy, power distribution, classification of political structures, political socialization, party systems and politics, types of representation, election models, and pressure group activities.

Pre-requisite: None

BGPA102 INTRODUCTION TO PUBLIC ADMINISTRATION

This course is designed to introduce and review major development in the field of public administration, to acquaint students with the constitutional and legal basis of administration in public agencies, and to review the significance of ethical and legal accountability in the public sector. Specific topics include the structure of the public sector, classification of governments, organization of government, public policy-making, financial and personnel administration, and the relationship between administrators and the public.

Pre-requisite: None

BGPA103 INTRODUCTION TO INTERNATIONAL RELATIONS

This course examines the relations between states in peace and war, and the development of international systems. Topics include: the pre-1924 system; the balance of power and the causes of WWI; the effects of the peace settlement and the rise of liberal and realist approaches to international relations; collective security and the League of Nations system; political and economic cooperation in the inter-war period; the impact of domestic politics and ideology on foreign policy; the causes of WWII; the relationship between politics and strategy in WWII; post-war reconstruction and the origins of the Cold War; the evolution of the Cold War; decolonization and self-determination; regional conflicts; integration in Western Europe, detente and the end of the Cold War; the evolution of security institutions; and international relations in the post-Cold War World.

Pre-requisite: None

BGPA104 INTRODUCTION TO POLITICAL THEORY

This course examines the development of different political ideologies in modern times that attempt to address the problem of governance raised by modern mass society. Topics include Classical Liberalism, Neo-Liberalism, Socialism, Marxism and its variations, and the decline and revival of democratic theory.

Pre-requisite: None

BGPA201 PUBLIC SECTOR PERSONNEL MANAGEMENT

This course examines the civil service structure with respect to human resources planning, recruitment and recruitment, selection, orientation, employee training, career development, and compensation and benefits. Emphasis will be placed on civil service reform, managing workforce diversity, employment equity, performance assessment, sexual harassment, and family concerns.

Pre-requisite: None

BGPA202 PUBLIC SECTOR ORGANIZATIONAL BEHAVIOR

A study of the theory, research and practice related to human behavior in public sector organizations. A number of topics will be examined within the context of the civil service structure, including: the causes and effects of interpersonal and group behavior, its dynamics and influences, organizational behavior relating to organizational climates, organizational culture, formal and informal organizations, conflicts and resolutions, and people-oriented

management.
Pre-requisite: None

BGPA203 COMPARATIVE POLITICS

This course examines the theory and practice of western democratic systems. Case studies include the governments of the United States, England, France, Germany, Japan and some small democratic nations in Europe. The socialist part covers such topics as the main features and patterns of socialism, the main principles of Marxism, democratic socialism, government structure, political culture, and political participation.

Pre-requisite: None

BGPA204 SOCIAL SCIENCES RESEARCH METHODS

This course provides an introduction to basic research concepts and various research methods. The course introduces concepts and methodologies for conducting both qualitative and quantitative research. Topics include: induction and deduction; hypotheses testing; research design and process; archival research; survey research; field research and historical research.

Pre-requisite: None

BGPA205 HISTORY OF CONTEMPORARY INTERNATIONAL RELATIONS

This course will examine important contemporary themes in international relations since World War I. We will focus on the causes of major wars, the development and retreat of imperialism, the rise of nationalism and the third world, the transformation of international institutions, and international diplomacy. Although we will pay special attention to how historians use historical methods to interpret these major events, we will also look at how international theorists explain them. Students will develop the ability to grasp key concepts in international relations history, to analyze historical events with the help of theoretical tools, and to conduct international relations research that is historically grounded.

Pre-requisite: None

BGPA206 INTERNATIONAL LAW

This course introduces students to public international law, the systems of norms, rules, institutions, and procedures that regulate the interaction between states as well as states and individuals. This course investigates the building blocks of international system and the forces that are transformative or destructive (or both). We will also examine and debate the role that law plays in international conflicts and some of the pressing issues affecting us today. This course also incorporates various internet technologies to arrive at a better understanding of the practice of law in an increasingly "virtual" environment.

Pre-requisite: None

BGPA207 PUBLIC SECTOR ORGANIZATIONAL STRUCTURE AND DESIGN

This course examines the structure and design of public sector organizations. Topics include work specialization, departmentalization, chain of command, span of control, centralization and decentralization, formalization, mechanistic and organic organizations, bureaucracy, systems theory, boundary scanning, and learning organizations.

Pre-requisite: None

BGPA208 MACROECONOMIC POLICY OF DEVELOPMENT

The course covers topics on the methodology of economic theory and policy, including the general equilibrium, the classical model and the Keynesian IS-LM Model, the recent development of macroeconomic theory. Basic growth and development theories will also be examined.

Pre-requisite: None

BGPA209 GOVERNMENT AND BUREAUCRACY IN MACAO

This course examines the legal, institutional, and functional interrelationships between the

legislative, executive, and judicial branches of the Macao government, and the operation of the government bureaucracy. Topics include: finance and budgeting in the public sector; the policy-making process; roles of the press and interest groups; and current civil service practices and problems occurring in the civil service.

Pre-requisite: None

BGPA210 POLITICS OF HONG KONG AND MACAO

This course examines the development of Hong Kong and Macao, their unification with China, and their current political problems. It focuses on the political and socio-economic changes during and the period of transition and after the turnover. Topics such as the “one country, two systems” model, Sino-British and Sino-Portuguese negotiations, the joint declarations, the basic laws, representative government, political institutions, political participation and socialization, process of democratization, civil liberties and the rule of law will be examined.

Pre-requisite: None

BGPA211 POLITICS OF CHINA

This course provides an introduction to Chinese politics, beginning with the rise of the Chinese Communist Party to power in 1949. It examines the Yanan and Soviet models of socialist development, their modification during the 1950s and 1960s, and political development after the death of Mao Zedong in 1976.

Pre-requisite: None

BGPA212 AMERICAN POLITICS

The American political system is one of the most successful and influential in the world. It has been learnt and emulated by many countries in history. The purpose of this introductory course is to help students make sense out of the seemingly puzzling and sometimes even chaotic political phenomenon in the United States. In doing so throughout the course, students are expected to acquire a balanced and comprehensive understanding of theories and practices, institutions and processes, continuities and changes, merits and defects of the American political system. For students of international relations who are interested in United States' foreign relations and its role in the world, it is a highly recommended course as American foreign policy is closely related to the dynamics of its domestic politics.

Pre-requisite: None

BGPA214 ASIAN POLITICS

This course examines the politics of key Asian countries such as Japan, South Korea, and India. It will cover countries that, traditionally and presently, have strong connections with Macao, such as Thailand, East Timor, Burma, the Philippines and Indonesia. Main themes to be covered in this course may include: government structure, political culture, corruption and governance, ethnic politics, nationalism, globalization, development strategy, gender politics, social movements and democratization.

Pre-requisite: None

BGPA215 POLITICAL AND SUSTAINABLE DEVELOPMENT

What is political development? What explains development and underdevelopment in the global South? How can states achieve development? This course will introduce to students the major theories and issues in the field of political development. The main focus is on the political economy of development in developing countries. We will start with a critical review of the major theories and debates in development. Then we will shift to specific public policy issues in the field of development, with a focus on exploring solutions to current problems in development. Key issues include: nation-building, democratization, human rights, urbanization, political culture, and so on. Students will learn how to critically evaluate key concepts and theories, to develop research skills that are necessary in the field of political development.

Pre-requisite: None

BGPA216 GLOBALIZATION AND DEVELOPMENT

This course introduces students to the study of globalization by relating it to the historical background and the transformation it is undergoing in the current epoch. In tracing its historical trajectory from the 17th century development of mercantilism and colonialism, the post-World War II rise of multinational corporations, to the post-1989 expansion of global democracy, students will learn how to examine the causes and effects of globalization in the changing historical context of economy, politics, and culture.

Pre-requisite: None

BGPA301 ADMINISTRATIVE LAW I

This is a survey course on the structure and operation of public administration and the body of norms that govern it (constitution and the laws) as well as those emanated therefrom (such as regulations, orders, and directions, etc.) It further examines the nature of administrative act and the principles of its legality and rationality. Finally, the remedies for administrative actions will be analyzed.

Pre-requisite: None

BGPA302 PUBLIC FINANCE

This course examines the use of fiscal and monetary policies to achieve socio-economic and political objectives. Topics include: the functions of public budgeting, Keynesian model and the monetary revision, budgetary process, revenue budgeting, expenditure budgeting, capital budgeting, concepts of taxation, protective strategies and counter strategies, interest and exchange rates issues, auditing and evaluation.

Pre-requisite: None

BGPA303 PUBLIC POLICY ANALYSIS

This course aims at developing critical understanding of public policy, especially in the context of social justice. It will focus on the introduction and examination of policy analysis frameworks and decision theories. Examples will be drawn from China, Macao, and Hong Kong to demonstrate the process of policy analysis.

Pre-requisite: None

BGPA304 INTERNATIONAL RELATIONS THEORY

This course introduces and examines key theories and approaches in the study of international relations, including realism and neo-realism; theories about war, security and the use of force in international relations; classical liberalism, globalization, and transformation in world politics; theories about inter-state co-operation and transnationalism; the concept of international society; constructivism and the impact of law and norms in international relations; neo-Marxist and critical theoretical approaches to international relations; and normative theory and international ethics.

Pre-requisite: None

BGPA305 INTERNATIONAL ORGANIZATION AND WORLD GOVERNANCE

As international organizations have become an integral part of a complex hub of a multi-level governance structure, and that international organizations have proliferated its roles in world governance under the effect of globalization, this course will study the development of international organizations and its emerging network in world governance by examining the nature, role, impact, and potential of international organizations. This course will also examine various actors who operate at the global level, including nation states, international organizations, multi-national corporations (MNCs), non-governmental organizations (NGOs) and individuals, to better understand the perspectives these actors bring to global discussions and explore the mandate of these organizations through various issues: global and multilateral governance of public health, trade, energy, food safety, peace and security, global environmental governance, and settlement of transnational disputes.

Pre-requisite: None

BGPA306 FOREIGN POLICY DECISION-MAKING

This course examines definition and process of foreign policy and major theoretical approaches to Foreign Policy Analysis, including realism, liberalism and constructivism. It then introduces rational, bureaucratic, organizational and psychological models of foreign policy decision-making. It also addresses the role of media and public opinion, national security and economic issue in foreign policy. Case studies are conducted on major powers like the U.S., China, Russia, the U.K., France, Germany, Japan, and the EU.

Pre-requisite: None

BGPA307 PUBLIC SECTOR STRATEGIC PLANNING

This course examines the importance and the process of strategic planning. Emphasis will be placed on PEST environmental scanning and SWOT analysis. Strategic planning at different levels of public sector organizations will be examined, with emphasis on proactive decision-making, contingency planning, environmental adaptability, and turning threats into opportunities.

Pre-requisite: None

BGPA309 PUBLIC RELATIONS

This course examines the theories and concepts underlying public relations principles, actions, and problem-solving. It provides study and practice in public relations and promotion to influence and persuade diverse audiences, using skills and techniques to promote organizations, their policies, actions, goods, services, and public missions to create and maintain favorable public opinion. The focus is on how images and messages enhance public persuasion. Students practice promotional writing with exercises in the preparation of memoranda, press releases, features, and copy design for internal and external communications.

Pre-requisite: None

BGPA311 ADMINISTRATIVE LAW II

This course is a continuation of Administrative I. The concepts covered in Administrative Law I will be further explored to provide a deeper understanding of relevant theory and practice.

Pre-requisite: Administrative Law I

BGPA312 STATISTICS FOR PUBLIC MANAGEMENT

This course provides an introduction to statistical techniques which can be applied to public administration. The emphasis is on explaining statistical procedures and interpreting the resulting conclusions. Topics include: introduction to statistics, organization and presentation of data, frequency distribution, central tendency and dispersion, probability and probability distributions, central limited theorem, hypothesis testing, one-sample significance test, sampling concepts, correlation analysis, measurement of association, introduction to SPSS.

Pre-requisite: None

BGPA313 EUROPEAN POLITICS

This course is an introduction to the governmental structures, political cultures, and policy-making processes that characterize European countries and the European Union. Case studies include the European Union, its member states, as well as other countries.

Pre-requisite: None

BGPA314 CHINESE FOREIGN POLICY

This course examines the determinants of China's foreign policy and her foreign relations since the founding of the People's Republic of China in 1949. The course will focus on China's new social conditions, directions, and foreign policies in the rapidly changing global environment. It will also discuss the new opportunities and challenges that China is facing as a rising power on the world stage. The course is designed to examine relevant issues from both Chinese and other perspectives in order to stimulate discussion among students of different disciplines and

backgrounds.
Pre-requisite: None

BGPA315 AMERICAN FOREIGN POLICY

More than a half century ago, the United States emerged from the Second World War as the most powerful nation on the earth. At the beginning of the 21st century it remains the sole superpower in the world. Because of its unique position in international relations, the success or failure of American foreign policy not only affects the well-being of the American people, but also has a great impact on war and peace in the rest of the world. This course examines American foreign policy from three vantage points: the evolution of American foreign policy in the Cold War period, policy making process in the context of the American political system, and the challenges the United States is facing in the post-Cold War and post-"9.11" era. By taking this course, students will acquire a more informed, balanced, and intellectual understanding of the main features of American foreign policy, the connection between American domestic politics and foreign policy, and the potential and limitation of the United States as a world power vis-a-vis other countries.

Pre-requisite: None

BGPA316 SINO-AMERICAN RELATIONS

Sino-American relations are characterized by the American President Obama as the "most important bilateral relations in the world." With China's rise to the level of world power, the state of this pivotal relationship is increasingly impacting the rest of the world for better or worse? This course introduces students to the geopolitical, domestic, and ideological factors that have shaped the Sino-American relationship in the past and the present. It examines the military, economic, and diplomatic dimensions of current interactions to arrive at a clearer understanding of the past trajectory, present state, and possible future direction of relations between the United States and China.

Pre-requisite: None

BGPA317 CHINA-EUROPEAN RELATIONS

This course examines the international interactions between China and Europe. Following a brief historical account of bilateral relations, it focuses on issues of major concern, including economic, security, energy, environment, human rights and cultural aspects. It then introduces China's relations with major European powers, including the U.K. France, Germany, Eastern European countries, and the EU. The unique role of Hong Kong and Macao in Sino-European relations is also discussed.

Pre-requisite: None

BGPA318 FOREIGN POLICY OF THE EUROPEAN UNION

European Union is both an international organization of 27 European states and a supranational polity governed by a legislative and judicial bodies guided by the EU law and its founding treaties. Its double nature – an international organization and a supranational polity – is reflected in its foreign policy. The course examines the competencies and functioning of the foreign policy-making bodies of the European Union – the Council, the European Commission and Parliament and the High Representative for Foreign and Security Affairs. In addition, it examines the processes and procedures of foreign-policy decision making, including the role of individual Member States and their governments in the shaping and implementation of the EU foreign policy. Particular attention will be given to separate strands in the EU's foreign policy – its international trade policy, international humanitarian and development aid policies as well as its policies regarding international conflicts such as those in Iraq and Afghanistan.

Pre-requisite: None

BGPA319 CHINA-EAST ASIAN RELATIONS

This course explores China's relations with some major players in East Asia such Japan, South Korea, Russia and ASEAN countries. Historically China's relations with these countries were far

from being peaceful and cooperative. In recent decades, China has invented a new strategy of “peripheral diplomacy” which has significantly improved its relations with East Asian neighbors. However some outstanding problems and difficulties remain in China-East-Asian relations including territorial disputes, historical and cultural discord, and ideological and geopolitical conflicts. The course will analyze China’s major bilateral relations as well as its diplomacy with multilateral institutions and organizations in the region.

Pre-requisite: None

BGPA321 INTERNATIONAL POLITICAL THEORY

The course aims to explore international relations from the perspective of political theory. We examine the meaning of morality and ethical judgment in the context of a number of issues and practices in international relations, including wars, terrorism, human rights, state sovereignty, globalization, role of international law and global inequality. Students will critically assess the ethical practices of states and non-state actors through theoretical analysis, case studies and simulation exercises.

Pre-requisite: None

BGPA322 CAPITALISM AND MODERNITY

This course examines the foundations of political economy. While these foundations were originally optimistic, promising human progress through economic progress, they were challenged in the 19th century by both reactionary pessimism and by radical critique. In our own time, growing awareness of the problems of generating unlimited growth and granting unrestricted capital mobility across nations have led some to question the idea of economic progress. The course demonstrates the historical novelty of capitalism and demonstrates that the human impulse to accumulation of capital is in no way a fundamental part of the human condition. By contrast with today, until the early 19th century in Europe, the needs of the society have historically taken precedence over the needs of the economy. The writings of classical thinkers in political economy will be explored to develop these ideas. No prior knowledge of modern political theory or of economics is assumed.

Pre-requisite: None

BGPA323 CONFLICT AND COOPERATION IN INTERNATIONAL RELATIONS

This course is an introduction to the causes, nature and processes of conflict and cooperation in international relations. Historical and modern cases will be combined with an overview of theoretical frameworks to provide students with a comprehensive understanding of conflict and cooperation in the contemporary world.

Pre-requisite: None

BGPA324 RELIGION IN INTERNATIONAL RELATIONS

This advanced course will examine the complicated relationship between religion and global politics. Topics will include the problem of defining religion as an analytical category, the religious origins of modern state sovereignty, the role of religion in violence and peacemaking, varieties of religious fundamentalism, the politics of sacred spaces and conflicts between religious practices and emerging human rights norms. Readings will draw broadly from political science, religious studies, sociology, and history. A prior course in international relations, comparative politics, or religious studies is required. Students not meeting this requirement will be admitted at the discretion of the instructor.

Pre-requisite: None

BGPA325 DEMOCRACY AND DEMOCRATIZATION

This course aims to study democracy in theory and practice based a comparative approach. It looks into the transition and consolidation processes that began in the late 20th century. Is democracy the “best” institutional arrangement in modern or post-industrial society? With the collapse of communism in the 90s, has history “ended”? Are “Asian values” anathema to Western liberal democratic “values”? What are the conditions, both domestic and international,

that help explain democratic development? What explains the resurgence of authoritarianism? How important is deliberative democracy? In addition to addressing the problems with democratic transition and consolidation, this course examines the concepts of democracy and democratization, deliberative process in making public policy, and their significance and relevance for academics, politicians, activists and citizens.

Pre-requisite: None

BGPA326 E-GOVERNMENT AND E-GOVERNANCE

The government's use of Information and Communication Technologies (ICTs) is not only a tool to achieve better government but also aims at good governance. This course is divided into two parts. The first part covers issues on the establishment of e-government, including: reasons to embrace e-government, challenges to e-government, planning, implementation and management of e-government, and types and forms of e-services. The second part focuses on the use of ICTs to bring citizens to the government process for the sake of good governance; topics include e-participation, e-deliberation, e-voting and e-democracy.

Pre-requisite: None

BGPA327 GAME THEORY APPLICATIONS IN POLITICS AND ADMINISTRATION

This course is an introduction to game theory, concentrating on applications in politics and public management. Game theory is the formal method of examining interdependent decisions. An interdependent decision is one where what you do will depend on what someone else does. For example, a politician running for office may consider how voters will react to an issue stance. Topics include prisoner's dilemma, coordination games, signalling in politics, etc. Game theory provides tools for evaluating these situations. By the end of the course, students should be able to recognize strategic situations, apply formal models, and "solve" them.

Pre-requisite: None

BGPA328 GOVERNANCE REFORM IN CONTEMPORARY CHINA

This course deals with governance reforms (and their limitations) in China during the transition to market socialism. It explores the factors necessitating the reforms, the impact of the reforms on state-society relations, the emergence of a civil society and the rising political aspiration of the people.

Pre-requisite: None

BGPA329 LABOR POLITICS AND POLICY

The class provides an overview of labor and employment relations, including the perspective of working people and their organizations. Some of the topics covered in this course include the changing nature of work, workers and workers' organizations; the impact of technology, the economic cycle, class, immigration, race, ethnicity and gender; the role of government in labor policy; the history of unions, their role in politics and challenges the labor movement faces today. Following this course, students will demonstrate an understanding of the policy and political issues relating to labour, and the political nature of work.

Pre-requisite: None

BGPA330 POLITICS OF THE TOURISM ECONOMY

Tourism has become an important engine of economic growth in many Asian societies. This turn to tourism however has generated a set of social, political and ecological conflicts between and within the guests and the host societies. This course aims to train students with a better understanding on the socio-political dynamics unleashed by this development strategy. It is divided into three sections. The first part introduces students to various theories accounting for the rise of tourism and its transformation into a core development strategy in the post-industrial world. The second part covers main political conflicts inside tourist economies involving ethnicity, gender, labour, environment and class. The final section devolves into detailed studies of thematic topics (for instance, heritage tourism, national parks, ecotourism, sex tourism, casino

tourism) and/or country studies (for instance, tourism policy of China, Singapore, South Africa) in order to provide more nuanced illustrations of the political dynamics of tourism economies.

Pre-requisite: None

BGPA331 SOCIAL POLICY AND ECONOMIC DEVELOPMENT IN MACAO

Industrial transformation and the change of demographic profile of Macao Special Administrative Region steer to revision of social policy in parallel to its economic development. This course focuses on the evolution of Macao's social policy corresponding to the changing socio-economic-political circumstances. It aims to provide a comprehensive understanding of the impact of demographic profile, poverty, education/ health inequality and regional integration on social policy. Apart from the introduction of concepts and theories for the understanding of social policy, some advanced statistical methods, like the decomposition of the Gini Coefficient, cluster analysis and factor analysis, will be introduced and applied for analyzing the effect of social policy change.

Pre-requisite: None

BGPA332 INTERNSHIP

In collaboration with relevant government departments and agencies, private and public companies, and other social organizations, this course provides short-term work placement opportunities in Macao and elsewhere for students in the Department so as to enhance their skills of applying academic knowledge to solve real world problems.

Pre-requisite: None

BGPA401 CONSTITUTIONAL LAW

This is an introductory course to familiarize the students with the inception of constitutional movements and the specific goals of having a constitution on the one hand and constitutional theories and practices on the other. The contents and classifications will be briefly surveyed. Of pivotal importance is the mechanisms of its working in a society; therefore, constitutional tribunals and its like, such as the ordinary reviewing courts, will be closely examined.

Pre-requisite: None

BGPA402 RESEARCH PROJECT

Student is required to identify and conduct an individual research project under the supervision of a staff member. Topics are selected within the discipline of government and public administration.

Pre-requisite: None

BGPA403 INTERNATIONAL POLITICAL ECONOMY

This course examines the political process of international economy, and the interaction between state and market, and between power and wealth in international relations. The course will present (1) the history of international political economy; (2) basic theories and different schools and approaches; (3) analysis of basic issues on trade, investment, development, globalization and regional integration; and (4) examination of the interactions between the rising China and the global economy.

Pre-requisite: None

BGPA404 INTERNATIONAL SECURITY

This course examines the fundamental elements and factors underlying global and regional security. The course will analyze the historical evolution of international security since World War II, from the Cold War to the current conflicts. Contending theoretical arguments, such as Realism, Trans-nationalism and Constructivism, will be presented and critically examined. Students will be encouraged to study the competing strategies employed by different players and to predict the potential ramifications. It will also study the evolution of security study as a subfield of international relations with a focus on the emergence of non-traditional security

issues and its increasing importance.

Pre-requisite: None

BGPA405 CAPSTONE SENIOR SEMINAR ON IR RESEARCH PROJECT

In this course, students are required to identify and conduct an individual research project on international relations independently under the supervision of the instructor. Topics are selected within the discipline of international relations broadly defined by students in consultation with the instructor. A substantive research paper with theoretical rigor and empirical richness is expected from students. The course also serves the function of assessment of overall knowledge, analytic skill, writing capability, and original thinking that students have acquired in the course of four-year study in the programme.

Pre-requisite: None

BGPA406 ADMINISTRATIVE ACCOUNTABILITY AND ETHICS

This course examines the different types of accountability and issues regarding ethical management. Topics include social responsibility, social responsiveness, professional ethics, value-based management, different views of ethics, factoring affecting managerial ethics, managing ethical conflicts, administrative transparency, sustainable development, and the "greening" of management.

Pre-requisite: None

BGPA407 PROGRAMME EVALUATION AND PERFORMANCE ASSESSMENT

This course examines the process and issues regarding performance measurement at the organizational, programme, and individual levels. A number of approaches to performance measurement will be introduced. The process of goal setting, establishing achievable objectives, setting performance targets and indicators, data collection, setting regular reviews, and providing feedback is examined from the perspective of organizational learning in the context of public sector management.

Pre-requisite: None

BGPA408 PUBLIC ADMINISTRATION: MACAO AND HONG KONG

This course examines the development of Hong Kong and Macao, their unification with China, and their current political problems. It focuses on the political and socio-economic changes during the period of transition. Topics such as the "one country, two systems; model, Sino-British and Sino-Portuguese negotiations, the joint declarations, the basic laws, representative government, political institutions, political participation and socialization, process of democratization, civil liberties and the rule of law will be examined.

Pre-requisite: None

BGPA409 PUBLIC ADMINISTRATION: CHINA

This course examines the public administrative institutions and processes in China. Topics include the reform of the cadre system and its relationship with other institutional changes, the anti-corruption policy, social welfare policy, budgeting, and the relationship between the central and local governments.

Pre-requisite: None

BGPA410 SELECTED TOPICS IN PUBLIC ADMINISTRATION

This course is designed to be highly flexible to allow examination and discussion of issues in public administration that warrant attention. Discussion topics will be selected by the instructor with emphasis on current events.

Pre-requisite: None

BGPA411 HONOUR THESIS FOR PUBLIC ADMINISTRATION

This subject provides opportunity for students to do advanced research and to peruse academic scholarship in the field of public administration and management as well as to evolve as

independent thinker. Different to the Research Project course, it allows students to explore their aptitude for research with theoretical concepts and individualized framework. Students are expected to address questions and issues for which no known or generally accepted answers exist. At the end, students have to present and defense their research findings in an examination committee.

Pre-requisite: None

BGPA412 INTERNATIONAL PUBLIC POLICY

This course aims to help students better understand the various important international public policy issues facing the world today. As globalization deepens around the world, states are challenged by pressing issues such as poverty, climate change, transnational migration, HIV and AIDS, and civil wars. On the one hand, states authority is weakened as a result of increasingly powerful NGOs, global firms, and individuals. On the other hand, certain global issues such as climate change cannot be resolved without the coordination among states. Thus we will pay close attention to the ways states and the global civil society interacts. This course will discuss these issues in details, and explore possible solutions to some of the problems. Theoretical frameworks in international relations (realism, liberalism, and constructivism) will be employed to analyze the issues.

Pre-requisite: None

BGPA413 INTERNATIONAL ENVIRONMENTAL AND ENERGY POLICY

This course examines the nature and emergence of international environmental problems, issue of energies and the response of the international community. Looking at a number of cases, including ozone depletion, desertification, bio-diversity, global warming, and competition for energy resources, the student will investigate international environmental and energy policies and the extent to which such policies and institutions provide effective governance, the extent to which international relations theory can explain such policies and also discuss the ethical dimensions of decision making.

Pre-requisite: None

BGPA414 SELECTED TOPICS IN INTERNATIONAL RELATIONS I

This course is designed to be highly flexible to allow examination and discussion of important issues in international relations that may not be covered by other courses in international relations. Discussion topics will be selected by the instructor with emphasis on current events. Students are encouraged to apply learned concepts, theories and analytic approaches to critically understand and explain international events and phenomena in the real world. This course also provides an opportunity for students to independently investigate and explore international issues that intellectually interest them.

Pre-requisite: None

BGPA415 UNITED NATIONS INSTITUTIONS AND PROCESSES

As the largest and more comprehensive universal international organization, the United Nations has been playing an increasingly important and visible role in international affairs in the post-Cold War and post-9.11 era. Therefore it is imperative for students of international and public affairs to understand the dynamics and mechanism of this pivotal international organization. This course will bring students into the complex system of the United Nations to systematically study its institutions, decision-making processes, the issues on the agenda, its member states' behavioral patterns, and its impact on world politics. The learning process will be reinforced by Model UN simulations in the classroom as well as at various national or international conferences.

Pre-requisite: None

BGPA416 INTERNATIONAL HUMAN RIGHTS POLICY

In the era of rapid globalization, human rights and their protection have increasingly become subject of international policies of governmental as well non-governmental actors. And yet, in

spite of growing international protection of human rights, there are still many unresolved questions regarding their scope and implementation. For example, what rights are to be recognized as universal human rights? And which institutions – international or domestic - are obliged or entitled to protect human rights of individuals and groups? These highly controversial questions will be examined in the context of current theories of human rights and of the role of international institutions such as the UN. The course explores the history of international recognition and protection of human rights and the major international declarations and covenants regarding human rights (such as the UN and European covenants on human rights). The role of international organizations of states (the UN, African Union and the like) as well as non-governmental organizations such as Human Rights Watch and Amnesty International is to be discussed. The course also explores current developments in the theory and practice of international protection of human rights such as the R2P – Responsibility to Protect.

Pre-requisite: None

BGPA417 EAST ASIAN INTERNATIONAL RELATIONS

Will China become a threat to international stability as its power continues to grow in the coming years? Will the twenty-first century be the century of the Asia-Pacific? Is the East Asian model of development sustainable? How does globalization affect security, political economy, human rights, and environment in East Asia? How should the international society deal with the North Korean nuclear crisis? This course aims to answer the above questions. We will start with a survey of major theories in international relations, including realism, liberalism, and constructivism. Our emphasis will be on the advantages and disadvantages of each theory in explaining major events in East Asia. We will pay special attention to East Asian histories, particularly since 1945. Topics to be addressed include: patterns of conflict and cooperation in East Asia, security arrangements, international political economy, globalization, human rights, and new security concerns. After completing this course, students should be able to apply international theories to analyze various political and economic issues concerning East Asia.

Pre-requisite: None

BGPA419 HONOUR THESIS FOR INTERNATIONAL AND PUBLIC AFFAIRS

This subject provides opportunity for students to do advanced research and to pursue academic scholarship in the field of international relations as well as to evolve as independent thinker. Different to the Research Project course, it allows students to explore their aptitude for research with theoretical concepts and individualized framework. Students are expected to address questions and issues for which no known or generally accepted answers exist. At the end, students have to present and defend their research findings in an examination committee.

Pre-requisite: None

BGPA420 SELECTED TOPICS IN INTERNATIONAL RELATIONS II

This course is designed to be highly flexible to allow examination and discussion of important issues in international relations that may not be covered by other courses in international relations. Discussion topics will be selected by the instructor with emphasis on current events. Students are encouraged to apply learned concepts, theories and analytic approaches to critically understand and explain international events and phenomena in the real world. This course also provides an opportunity for students to independently investigate and explore international issues that intellectually interest them.

Pre-requisite: None

BGPA421 SELECTED TOPICS IN INTERNATIONAL RELATIONS III

This course is designed to be highly flexible to allow examination and discussion of important issues in international relations that may not be covered by other courses in international relations. Discussion topics will be selected by the instructor with emphasis on current events. Students are encouraged to apply learned concepts, theories and analytic approaches to critically understand and explain international events and phenomena in the real world. This course also provides an opportunity for students to independently investigate and explore

international issues that intellectually interest them.

Pre-requisite: None

BGPA422 SELECTED TOPICS IN INTERNATIONAL RELATIONS IV

This course is designed to be highly flexible to allow examination and discussion of important issues in international relations that may not be covered by other courses in international relations. Discussion topics will be selected by the instructor with emphasis on current events. Students are encouraged to apply learned concepts, theories and analytic approaches to critically understand and explain international events and phenomena in the real world. This course also provides an opportunity for students to independently investigate and explore international issues that intellectually interest them.

Pre-requisite: None

CCJS700 CRIMINOLOGY AND CRIMINAL JUSTICE

This course provides an overview of the nature and extent of crime, the causes of criminal behavior, crime typologies and measurements, and the criminal justice system. The course takes an international approach, reviewing knowledge and theories about crime and assessing the effectiveness of crime prevention and offender treatment programmes in major social and cultural contexts.

Pre-requisite: None

CCJS701 CRIMINOLOGICAL THEORIES

This course will consider historical and contemporary explanations of crime and criminal behavior. Theories covered include strain, control, cultural, labeling, conflict, as well as more recent attempts at theoretical integration and multidisciplinary integration.

Pre-requisite: None

CCJS703 APPLIED STATISTICS

This course represents an introduction to statistical methods for analysing empirical data. Students will learn basic and advanced methods for quantitative and qualitative data analyses, gain experience in using statistical software, and apply their statistical knowledge and technical skills to real datasets in criminology and criminal justice.

Pre-requisite: Advanced Research Methods

CCJS704 POLICING

The course is an introduction to the study of modern policing from its 19th century origins to current controversies about community relations, public order, miscarriages of justice and the possible futures of police-work. It provides historical, social and political analysis of the roles and functions of policing. And it engages some current controversies about community policing, accountability, public order, private security and the future of police work.

Pre-requisite: None

CCJS705 CORRECTIONS

The course examines the prison and issues of corrections in terms of historical development and current applications. It examines various perspectives and definitions of social control; philosophical underpinnings of the system; and prisoner and societal implications of social control. We deal with the history, forms, and functions of correctional philosophies, institutions, programmes, and policies. Topics include the structure and functions of prisons and jails, community corrections, intermediate sanctions, and the growth of correctional control in modern society.

Pre-requisite: None

CCJS710 RESEARCH METHODS

This course is a postgraduate level seminar designed to increase knowledge of research methods commonly used in social science research. Through lecture, discussion and class activities, this course will introduce different methods of conducting research. The seminar will

focus on issues related to theory development, hypothesis formation, variable construction, research design, sampling methodology and the techniques and methods of data collection. Students will write a research proposal that details a research question and the research design appropriate for addressing that question.

Pre-requisite: None

CCJS711 COMPARATIVE CRIMINOLOGY

We study selected criminal justice systems in other jurisdictions, including the organization, administration and operation of criminal justice agencies in the United States, Europe, the United Kingdom, and Asia.

Pre-requisite: None

CCJS712 SUBSTANCE ABUSE AND ADDICTION

This course provides students with a survey of the historical context of the legislative initiatives that have been attempted to combat the use of drugs, the relationship between drug use/abuse and crime, and the public policy problems surrounding the control of drugs. We describe major drugs, what effects they have, their methods of use, their prevalence, production and marketing and common street names. The course analyzes the composition, manufacture, use, and misuse of drugs (including alcohol); their relationship to criminality, and current responses by governmental and private organizations. Exposure to treatment programmes may be required.

Pre-requisite: None

CCJS713 ADVANCED STATISTICS

The course is designed to help students to master advanced quantitative methods used in the social sciences, and to facilitate them learning more advanced methods. The main topics that will be covered in depth during this semester include ANOVA, simple and multiple regression, logistic regression, and Poisson regression.

Pre-requisite: None

CCJS714 CRIME PREVENTION

This course is about ways of crime control in global perspectives. The course will provide a concise and up-to-date account of crime control and prevention theory, practice and research. The course will also discuss in an informed and critical way about what has been and might be done in practice to prevent crime at local and national levels. This course will focus on crime reduction mechanisms and encourage students to critically think about issues on crime prevention.

Pre-requisite: None

CCJS715 CRIMINAL PSYCHOLOGY

This course focuses on biological, environmental, cognitive, and personality factors that influence delinquency and crime. Major topics of discussion will include psychopathology, maladjustment patterns, psychoses, personality disorders, cognitive development, and alcohol and drug dependency, and the relationships between these factors and criminal behavior. The course will also cover offender profiling, sexual violence, and psychological treatment of delinquents and criminal offenders.

Pre-requisite: None

CCJS720 SPECIAL TOPICS IN CRIMINOLOGY AND CRIMINAL JUSTICE I

This course is designed to provide up to date development in research and practice on certain topics in criminology and criminal justice field.

Pre-requisite: None

CCJS721 SPECIAL TOPICS IN CRIMINOLOGY AND CRIMINAL JUSTICE II

This course examines selected topics and recent developments in research, policy, and practices in the areas of criminology and criminal justice.

Pre-requisite: None

CCJS797 APPLIED THESIS

An applied thesis emphasizes on application of knowledge in solving practical needs or problems. The thesis may be based on a project or professional activity designed or executed by the student as a way of solving a problem related to crime and criminal justice.

Pre-requisite: None

CCJS798 ACADEMIC THESIS

An academic thesis is a scholarly work that demonstrates substantial capacity on the part of the student to engage in independent investigation. In order to satisfy thesis requirements, students must pose an original research question and apply appropriate methods of scholarship and methodology to that question in order to generate new knowledge.

Pre-requisite: None

COMB110 INTERPERSONAL COMMUNICATION

This is an introductory course in the theory and practice of communications, focusing on interpersonal and small group communication. Topics include face-to-face communication, social roles, relationship development, non-verbal as well as verbal communication, perception, leadership, and problem-solving.

Pre-requisite: None

COMB120 NEW MEDIA

This course introduces students to key aspects of new media and networked applications. Topics include new media landscape, multimedia content ad applications, and cross-media technologies.

Pre-requisite: None

COMB121 INTRODUCTION TO NEWS AND JOURNALISM

This course is a foundation of journalism. It explores the significance of news and role of journalism in society by focusing on deciphering news in various media, such as television, radio, newspapers, magazines and the Internet, in relation to current affairs. It also examines journalism as a profession with specific values and functions. This course introduces basics of news writing and content analysis, and seeks to stimulate students' interest in the profession.

Pre-requisite: None

COMB210 QUANTITATIVE METHODS I

This is an introductory research method course. It is designed to accomplish three closely related goals: (1) to introduce students to the basic logic, process and techniques in quantitative research; (2) to provide students with a critical framework to examine communication problems and evaluate communication research; and (3) to offer students opportunities to gain hands-on experiences in empirical projects.

Pre-requisite: None

COMB211 INTRODUCTION TO PUBLIC RELATIONS

The course gives a general survey of the public relations discipline. It emphasizes the discipline's professional foundation in law and ethics, and focuses on fundamental theories of public relations management. It teaches strategic planning and execution of public relations campaigns, including campaign evaluation. It encourages hands-on experiences, develops research skills, and prepares students for advanced public relations courses.

Pre-requisite: None

COMB212 MEDIA AND SOCIETY

This introductory course concentrates on the complex relationships between media and society. Topics include uses and functions of mass communication, the social impact of mass media on knowledge, attitudes and behavior, mass media audiences, and feedback systems. The history, structure, development, and technological trends of various media formats and platforms are explored. Students will have an overview of advertising and public relations industries,

international and comparative mass media systems, as well as media professions.

Pre-requisite: None

COMB213 FUNDAMENTALS OF VISUAL CULTURE

This interdisciplinary course integrates theory and practice, and focuses on the study and analysis of visual images. It applies critical thinking to prints, photographs and advertisements, fine arts, fashion and architecture, as well as film, television and new media. It introduces theories of representation and helps develop critical and analytical skills for application in media production and practices.

Pre-requisite: None

COMB220 QUANTITATIVE METHODS II

This course builds on skills acquired in Quantitative Methods I. It focuses on empirical data gathering and analyzing. Students will learn to initiate research topics and implement research projects that involve conceptualization, questionnaire design, data collection, data analysis, and results reporting. They will learn to apply statistic software such as SPSS for both descriptive and explanatory analysis.

Pre-requisite: COMB210

COMB221 INTRODUCTION TO CULTURE AND CRITICAL COMMUNICATION

This course introduces students to analytical methods informed by critical communication and cultural studies, and exposes them to major research approaches in the field. It primarily draws on but not exclusive to Marxism, Critical Theory, British Cultural Studies and other intellectual traditions, theoretical frameworks, and analytical concerns. It teaches students to analyze a variety of communicative and cultural practices in Macao and international media contexts.

Pre-requisite: None

COMB222 INTRODUCTION TO ADVERTISING

Advertising has creative, business and research aspects. This course introduces students to the structure of advertising, as well as its history, problems, and challenges. It provides an overview of advertising industries and practices. It prepares students for advanced advertising courses in creative development, media planning, and media management.

Pre-requisite: None

COMB250 VIDEO PRODUCTION

This course integrates theory with practice, and prepares students for advanced video production. It teaches students how to operate the video camera and introduces them to digital editing software and other fundamentals of video production: story board, composition, lighting, sound, and editing, as well as histories and genres of moving images. It uses various teaching formats: lectures, discussions, hands-on exercises, workshops, and screenings. Students will be required to complete small video projects. Completed works may be exhibited publicly.

Pre-requisite: COMB213

COMB251 PHOTOGRAPHY

In this course students will learn photography through hands-on instruction and exercises. Students will learn to think critically about visual culture, subject/object relationships, and theories of representation. Such genres as photojournalism, picture editorial, and portrait photography may be introduced.

Pre-requisite: None

COMB252 演講與辯論技巧 PUBLIC SPEAKING AND DEBATING

本課程主要通過課堂講授與練習，介紹演講與辯論的基本方法與技巧。課程內容主要包括演講的特徵與功能、演講要素與類型特點，演講家的素質構成，受眾的不同特點及相應的演講對策，演講的準備與演講稿撰寫方法，演講技巧，辯論定義與類型，辯論賽的性質，辯論賽制與規則，辯題分析，舉證與反駁、論證技巧，攻防策略，辯論賽的舉辦與裁判等。

先修科目：沒有

This course introduces students to the basic skills of public speaking and debate. It examines the functions, elements, types and roles of public speaking. Through lectures and practices, students learn essential skills in writing, speaking and debating that engage a public audience.

Pre-requisite: None

COMB253 中國新聞傳播史 CHINESE MEDIA HISTORY

本課程主要介紹中國傳播媒介、傳媒科技和傳播意識形態的發展歷程。過去和現今傳媒的蛻變。通過不同時代的重要事件，探討傳媒科技的革新、意識形態的改變和傳媒與社會的影響。

先修科目：沒有

This course gives an introduction to how the media, media technology and media ideology have been transformed in Chinese history. It will cover changes from the ancient time to the modern period. Issues including technology innovation and ideology changes, media and social changes will be discussed in relation to historical events or milestone incidents.

Pre-requisite: None

COMB254 INTERCULTURAL COMMUNICATION

This is an introductory course to the key theories and the processes of intercultural communication. Students will develop an appreciation and understanding of the cultures other than their own, and be equipped with the skills necessary to become an effective communicator in intercultural and multicultural contexts.

Pre-requisite: None

COMB310 COMMUNICATION THEORY

This is an introductory course to major theories of human communication. It is designed to give students a critical understanding of key themes in the field and demonstrate how theories illuminate the nature of human interaction. Specifically, the course examines origins, evolutions, milestones, methods and findings of communication perspectives. It studies intellectual, institutional and socio-political factors that inform the development of the communication discipline.

Pre-requisite: None

COMB311 ENGLISH NEWS WRITING

This course aims at teaching students the core skills of professional journalists. Through the combined module of theoretical inquiry and practical training, the course addresses such issues as the understanding of news values, the cultivation of journalistic observation, the development of interview skills, the structure and organization of news story genres, as well as rules of attribution and quotation. Field trips are part of the course offering.

Pre-requisite: COMB121

COMB312 中文新聞寫作 CHINESE NEWS WRITING

本課程主要通過課堂講授與練習，介紹中文新聞採訪與寫作的基本方法。側重介紹中文新聞採訪與報道的基礎知識、發現和判別新聞的方法、採訪的基本技巧、幾種主要新聞報道文體的特點，消息的定義、種類、寫作特點、消息的基本格式與構成、新聞主題的選擇與深化、新聞報道材料的鑒別與選擇、新聞語言的特徵等。

先修科目：沒有

This course provides integrated training in basic journalistic skills for news writing in Chinese. It familiarizes students with key procedures in news gathering, interviews and news writing through lectures and workshops. It specifically focuses on news definitions, story formats, writing styles, theme development, in-depth reports, linguistic characteristics, and other core news writing concerns.

Pre-requisite: None

COMB320 QUALITATIVE RESEARCH METHODS

This course acquaints students with qualitative research methods in communication studies. It addresses philosophical and conceptual issues, and engages students in experimental activities in conceptualizing and carrying out a qualitative project including data collection, analysis and report presentation.

Pre-requisite: None

COMB350 DIGITAL GRAPHICS

This course introduces students to the possibilities of digital graphics and provides them an education in the history of graphic design. Students will learn practical techniques in a variety of software; and they will concurrently be introduced to the history of graphic design and aesthetic theory. Emphasis will be placed on creatively experimenting with digital means of production.

Pre-requisite: None

COMB351 MULTIMEDIA DESIGN

This course teaches students graphic design software as well as related digital technologies. Students will examine the history of various media, from online applications to video games, with an eye toward aesthetics, critical thinking, and creativity. Students will study both the production and reception of contemporary multimedia as well as learning to produce it themselves.

Pre-requisite: COMB120

COMB352 ADVERTISING PLANNING AND STRATEGY

This course acquaints students with advanced training on the development and execution of advertising projects through creative and motivating communication, strategic planning and effective assessment. The emphasis is on providing students opportunities to engage in a real-life advertising context, and to connect theories with practice in developing creative and effective strategies in advertising.

Pre-requisite: COMB 222

COMB353 ORGANIZATIONAL COMMUNICATION

This course focuses on theories and processes related to organizational communication. Students will acquire skills for assessing communication problems, designing communication systems, and improving communication quality. Other key topics include managerial communication, teamwork and leadership, and conflict resolution.

Pre-requisite: None

COMB354 PUBLIC RELATIONS PLANNING AND STRATEGY

This course teaches advanced public relations, dealing with theories of management function and public relations practices. It covers media relations, issues management, and organization-public relationships. It investigates representative public relations cases, with a particular focus on explaining and evaluating theories, strategies, and tactics.

Pre-requisite: COMB211

COMB355 PUBLIC OPINION

This course covers the fundamentals of public opinion in democratic environments and evaluates the role, nature and dimensions of public opinion in democratic liberalism. It investigates the role of mass communication in organizing, implementing, and controlling public opinion. By introducing methods of polling and survey research, it highlights the complicated issues related to media, society and citizenry.

Pre-requisite: None

COMB356 PERSUASION

This course considers the ethical aspects of persuasion from the perspective of the humanities, business, and social sciences. It challenges students to think critically about persuasive communication. Comparative approaches from Asian and Western perspectives will be deployed for studying various modes, styles and genres of persuasion.

Pre-requisite: None

COMB357 高級中文新聞寫作與採訪

ADVANCED NEWS WRITING AND REPORTING IN CHINESE

本課程主要通過課堂講授與練習，介紹新聞記者的獨特思維方式與獨家新聞報道、深度新聞報道、通訊與特寫、各類專題新聞報道的採寫技巧，以及不同新聞媒對採寫的不同要求等內容。

先修科目：沒有

This advanced level course enhances students' journalistic abilities. It emphasizes investigative reporting and in-depth analysis of news events. Students will develop strong skills in interview techniques, deep reporting, background research and writing across genres.

Pre-requisite: None

COMB358 ADVANCED NEWS WRITING & REPORTING IN ENGLISH

This course further expands the skills students acquired in News Writing and Reporting with an emphasis on beat reporting, special assignments and feature writing. It focuses on critical evaluation of evidence, development of investigative skills and improvement in computer-assisted reporting techniques. Students will work on multi-source news stories, features and opinion articles which revolve around public issues of timely significance in society.

Pre-requisite: None

COMB359 中文編輯學 CHINESE NEWS EDITING

本課程主要通過課堂講授與練習，介紹編輯學的基本理論與基本知識，側重報刊新聞編輯，略述書刊編輯與影視編輯等基本知識。課程內容包括：編輯演變與類型，編輯的職責與修養，文稿的取捨、修改與配置，新聞標題的製作，報刊新聞版面的編輯技巧，報道或書稿選題的策劃與組織，圖片編輯，專刊和副刊編輯，廣播新聞編輯與電視新聞編輯。

先修科目：沒有

This course teaches the fundamentals of desktop publishing in Chinese. Students will learn editing principles, theories, aesthetics and skills for creating and making various kinds of publications under diverse production contexts. Key topics include: the history of news editing, editorial ethics and roles, news and images editing, headline making and so on.

Pre-requisite: None

COMB360 ENGLISH NEWS EDITING

This course introduces students to the fundamentals of news editing and desktop publishing. Addressing the role and ethics of editors in media organizations, the course comprises practical training of basic copy-editing skills, such as proofreading, editing, making headlines. Other key topics include principles of newspaper and magazine layout practices, particularly in a desktop publishing environment that uses multiple graphics software applications.

Pre-requisite: None

COMB361 新聞翻譯 NEWS TRANSLATION

本課程主要通過課堂講授與練習，教授英譯中的原則和技術，重點領域是英文傳媒的新聞稿件和國際通訊社的新聞類的文稿的繙譯。本課程採用對比的方法來分析英文與中文新聞寫作的技巧，訓練學生做到準確、流暢及快捷的翻譯。

先修科目：沒有

This course concentrates on teaching translation skills from English to Chinese, with a particular focus on news stories in English media sources and journalistic articles from international news agencies. It takes a comparative approach to analysing both English and Chinese news writing styles, and teaches students to provide accurate, smooth and speedy translation.

Pre-requisite: None

COMB362 ADVANCED VIDEO PRODUCTION

This course teaches students advanced video production skills, including two or more camera setup, interview techniques, special effects, as well as visual and narrative theories. The format

of instruction includes lectures, discussions, presentations, exercises and screenings; it strongly encourages active participation and interaction. Critical and independent thinking is emphasized. Students are required to complete small video projects. Completed works will be exhibited publicly.

Pre-requisite: COMB250

COMB363 DOCUMENTARY

The course provides a theoretical and practical discussion of the history, aesthetics, genres, and practice of documentary in contemporary society. By highlighting the director/producers' role in the process of production, students are encouraged to examine various visual elements of documentary and develop skills by engaging in documentary production.

Pre-requisite: None

COMB364 SCRIPTWRITING

Scriptwriting is an opportunity for students to study storytelling and narrative traditions. Students will read original works of fiction and scripts for television, film, and new media content. Students will also write original scripts that will be developed throughout the course via collaborative writing exercises and in class peer review.

Pre-requisite: None

COMB365 TELEVISION STUDIES

This course provides students with a critical understanding of television. It offers a range of themes: TV industry and institutions; TV audiences; news, documentary, entertainment programmes, drama and other TV genres. The intricate relationship between production and reception will be highlighted and critically examined. Students are expected to develop a historical and systematic overview of the function and impact of television, from the tube to online formats

Pre-requisite: None

COMB366 GENDER, MEDIA AND DIVERSITY

As a venue for civil discourse, media should fairly and accurately represent the various groups that comprise the society. However, the economics of media often contribute to under-representation or stereotypical profiling of minority groups. This course takes a critical approach to examining the causes and manifestation of such biases in the media, with emphases on such issues as class, race, gender, ethnicity, age, sexual orientation, and political viewpoints.

Pre-requisite: None

COMB367 GLOBAL MEDIA STUDIES

This course provides students with a platform to consider their role in the future of global communication. It analyzes media communication across a wide variety of levels, from personal to local, corporate, and international. The theoretical and methodological approaches are drawn from an interdisciplinary tradition within the arts, humanities and social sciences that focuses on understanding the role of culture, gender, and power in public communication. With a focus on globalization, topics may include specific media industries and markets, and the use of media technologies by both corporations and non-profit organizations.

Pre-requisite: None

COMB410 MEDIA LAW AND ETHICS

This course covers ethical principles for media practices, including journalism. It examines local and international laws governing media coverage and freedom of expression. Key topics include national security, defamation, privacy, and obscenity, with a particular focus on definitional and implementation issues with respect to laws, principles and ethics.

Pre-requisite: None

COMB450 FIELD INTERNSHIP

In cooperation with local corporations, agencies, and organizations, final year Communication Major students are assigned short-term work placements that allow them to apply communication knowledge and skills to real-life contexts, including problem solving. Interns will attend an internship class once a week. To pass the course, they must obtain satisfactory performance reports from both the faculty supervisor and internship site director.

Pre-requisite: None

COMB451 UNDERGRADUATE THESIS

This capstone course provides an opportunity for final year Communication Major students to carry out an original study on topics pertinent to communication studies. The final outcome is an academic or semi-academic thesis. Under the supervision of the thesis instructors, students will independently develop the research topic, review relevant literature, specify research methodology, gather data, analyze data and report findings. The undergraduate thesis may be an individual effort or completed as a small group project. Qualitative, quantitative, or combined research methods may be used.

Pre-requisite: None

COMB452 WORKSHOP: EVENT PLANNING AND IMPLEMENTATION

Integrating theory and practice, this capstone course is designed for final year Communication Major students to design and implement a campaign event. It offers them hands-on experiences that include fund-raising, budget control, event planning and team-working. Finally it provides ample opportunities for applying academic learning to real-life contexts.

Pre-requisite: None

COMB453 WORKSHOP: CHINESE PUBLICATION

Integrating theory and practice, this capstone course is designed for final year Communication Major students to produce a Chinese publication, that includes photographic images and graphic material. It offers them hands-on experience, and puts an emphasis on connecting the magazine with real-life contexts. It sharpens their writing, editing and desktop publishing skills, and finally enhances journalistic professionalism.

Pre-requisite: None

COMB454 WORKSHOP: VIDEO I

Integrating theory and practice, this capstone course is designed for final year Communication Major students to produce video projects that are of high production quality. It uses the mentor-student approach and gives students ample opportunities to apply their video production skills. Students may complete their video projects in one or two semesters. Completed work will be exhibited publicly.

Pre-requisite: None

COMB455 WORKSHOP: VIDEO II

This capstone course extends from Video I. It is mainly for students who have embarked on video projects that require two semesters to complete. Video II projects are expected to achieve professional or close-to-professional standards. Completed work will be exhibited publicly.

Pre-requisite: None

COMB456 WORKSHOP: ENGLISH PUBLICATION

Integrating theory and practice, this capstone course is designed for final year Communication Major students to produce an English publication. It enables them to acquire more hands-on experiences and further enrich academic knowledge in the area of journalistic publication, from news gathering, news and feature writing, photo journalism to editing, page layout, and website design and production.

Pre-requisite: None

COMB457 CRISIS MANAGEMENT

This course covers the basic elements of crisis communication and the procedures for creating and implementing communication plans when crisis occurs. It examines different types of crises in commercial corporations and non-profit organizations. It explores pitfalls of crisis communications, teaches crisis prevention and resolution, and addresses ethical issues.

Pre-requisite: None

COMB458 EVENT PLANNING AND IMPLEMENTATION

This course teaches students basic concepts, steps and strategies in event planning and implementation. Students examine Meetings, Incentives, Conventions and Exhibitions (MICE) practices from both historical/cultural and strategic management perspectives. Topics include bid preparation, budgeting, public and corporate sponsorship, negotiations, volunteer staff management, and cultural industry management, as well as case studies about cutting-edge, state-of-the-art event planning practices in the global arena.

Pre-requisite: None

COMB459 INTEGRATED COMMUNICATION CAMPAIGNS

This advanced level campaign course absorbs the integrated approach to advertising and public relations. The instructor will work closely with students to develop campaign projects for the private and public sectors. It encourages students to hold creative campaigns, participate in college-level competitions and build a communication campaigns portfolio. It helps students use both conventional and unconventional methods to reach their targeted audiences. Campaigns designing and implementing with consideration of real-life contexts will be emphasized.

Pre-requisites: COMB211 and COMB222

COMB460 MEDIA MANAGEMENT

This course combines business administration and media production. It focuses on the technical, artistic and entrepreneurial aspects of media industries. Students will learn different aspects of managing print media, electronic media and the integrated new media.

Pre-requisite: None

COMB461 SPECIAL TOPICS IN PUBLIC COMMUNICATION

This course offers special topics in Public Communication that includes in-depth studies of theoretical or practical issues in the public relations industry or public communication field. Topics may vary year to year.

Pre-requisite: None

COMB462 WRITING FOR PUBLIC RELATIONS AND ADVERTISING

This is a writing-intensive course. Students will examine the intricate between organizations, publics, and the media. They will prepare, compose and write public relations/promotional messages for different media platforms including news releases, copy for company publications, direct mail, and Web sites.

Pre-requisite: None

COMB463 BROADCAST JOURNALISM

The course is designed to prepare students for responsible roles in the broadcast and television news production. It teaches position chart and trade terminology. It gives emphasis to broadcast news writing and shooting. Students learn lens operation, video recording and studio control, and postproduction editing skills. Lessons in lighting, sound and setting as well as visual and special effects will be held. Students will participate in anchor and presenter exercises that comprise the following genres: interview, discussion panel, weather reporting, special programme, year-end review, documentary and live news programme.

Pre-requisite: None

COMB464 NEW MEDIA JOURNALISM

Multimedia is an interactive composite of text, graphic, sound, video and animation elements.

This advanced level course adopts a “multiple media” approach to journalism. Students will learn to present news verbally, visually and above all, interactively, using new media formats.

Pre-requisite: COMB120

COMB465 POLITICAL COMMUNICATION

The course investigates the processes political candidates and the mass media employ to generate and disseminate political narratives. It explores how political communication and mass media shape the political process and political outcomes: do they contribute – positively or negatively – to the quality of democracy, or do they not make a difference at all?

Pre-requisite: None

COMB466 SPECIAL TOPICS IN JOURNALISM AND MASS COMMUNICATION

This course offers special topics in Journalism and Mass Communication which includes in-depth analysis of media effects and journalistic practices. Topic may vary from year to year.

Pre-requisite: None

COMB467 ANIMATION I

This course is the first part of the animation course series. The production of digital animation is emphasized. The basic concepts, principles, and essential techniques of hand-drawn, two-dimensional, and three-dimensional animation, as well as today's trends in the field, develop students' understandings about the fundamentals in storytelling, scripting, and delivery of animated imagery for different platforms.

Pre-requisite: None

COMB468 ANIMATION II

This course, the second part of the animation course series, walks students through the various stages of an animation project, which include planning, implementation, and management. Hands-on practice integrates students' knowledge of 2D and 3D digital animation into the realization of original narratives. Such storytelling is studied across various platforms from home entertainment, educational, museums, electronic media, advertising billboards, interactive channels, or apps for mobile devices.

Pre-requisite: COMB467

COMB469 CINEMA STUDIES

The course offers students a general knowledge about film history, genre and practices. It teaches analytical concepts for understanding film industry and cinema texts as cultural, artistic, industrial and political phenomena. It stimulates students' interest for film studies. Topics may comprise national cinemas, Third cinemas and Chinese language cinemas, including representations of gender and sexualities.

Pre-requisite: None

COMB470 SPECIAL TOPICS IN CREATIVE MEDIA

This course offers special topics in Creative Media at the advanced level that range from creative arts to creative industries. Topics may vary from year to year.

Pre-requisite: None

COMB471 CULTURAL INDUSTRIES AND POLICIES

This course examines the social, political, economic, and institutional factors affecting the development and regulation of the arts and the media in the contemporary world. With reference to both Macao and international contexts, the course will discuss such topics as heritage, tourism, museums, leisure, sports, architecture, urban development, and the cultural industries, and their consequences for identity, community, and citizenship.

Pre-requisite: None

COMB472 CULTURAL STUDIES

This is an advanced course in Cultural Studies that follows from the introductory-level course.

Aiming to conceptualize culture as a complex arena interwoven with forms of social power, the course will consolidate students' critical knowledge by addressing leading cultural and social theorists with a particular focus on communication and media topics.

Pre-requisite: COMB221

COMB473 DEVELOPMENT COMMUNICATION

The course provides a historical overview of development communication. It focuses on social justice issues: public health, gender equality, cultural imperialism, etc. It examines case-based project interventions. Alternative approaches such as participatory communication, Entertainment-Education, media advocacy, New Social Movement, and critical theories are also discussed.

Pre-requisite: None

COMB474 MACAO MEDIA AND CULTURE

This course introduces student to the historical development of mass media of communication in Macao since the city's establishment more than 450 years ago. It explores issues such as the role of the media and their impact on Macao culture and society, as well as the formation and representation of Macao's unique culture and identity.

Pre-requisite: None

COMB475 POPULAR CULTURE AND COMMUNICATION

The course aims to engage with social, political, economic and historic meanings of popular culture. It examines a wide range of forms, styles, and practices through which popular culture is produced, performed and consumed. Popular culture genres covered in the course may include television, music, film, fashion, video games, comics, and subcultures. Students are expected to assess the significance of popular culture through their everyday life experience.

Pre-requisite: None

COMB476 SPECIAL TOPICS IN INTERNATIONAL COMMUNICATION AND CULTURAL STUDIES

This course offers special topics in Cultural Studies that have an advanced level International Communication focus. Topics may vary from year to year.

Pre-requisite: None

COMM701 THEORIES OF MASS COMMUNICATION

This course is designed to introduce the basic concepts and logic of communication theories with a specific emphasis on linking theoretical concepts to applied communication practices and issues. It serves three inter-related objectives. First, it aims at providing the students critical perspectives of communication problems. Second, it attempts to draw connections between theoretical concepts and practices in various applied areas, including news and entertainment production, advertising, public relations, and public information. Third, it prepares students to approach other courses in the programme and their final graduation thesis or project.

Pre-requisite: None

COMM702 RESEARCH METHODS OF MASS COMMUNICATION

Introduction to applied media research, research criticism, data interpretation, and fundamentals of audience analysis. Topics include: surveys, content analysis, experimental test of programmes, field research, and formative evaluation.

Pre-requisite: None

COMM703 COMMUNICATION PATTERNS AND CULTURE IN GREATER CHINA

This course focuses on the history of Chinese Communication developments, special features of Chinese communication structure, trends and issues of Chinese media, traditional and modern. Both behavioral and historical approaches will be utilized in such analysis. Emphasis is on contemporary China.

Pre-requisite: None

COMM704 INTERNATIONAL AND INTERCULTURAL COMMUNICATION

This course examines contemporary issues in international and intercultural communication and the driving political, sociological, cultural and economic forces behind the gathering and disseminating of news, data and entertainment content through various channels in the world, with an emphasis on communication systems. From an interdisciplinary point of view, it covers the basic theoretical concepts about intercultural communication and international relations, and deals with the impact of intercultural encounters on national economy, politics and culture. Pre-requisite: None

COMM705 PUBLIC OPINION

The meaning, nature, and functions of public opinion within social and political contexts; measurement through polling; theories and research findings on the formation, dynamics and change of public opinion. Students conduct actual public opinion surveys and write reports. Pre-requisite: None

COMM706 NEW MEDIA AND COMMUNICATION STUDIES

The popularity of the Internet and emerging interactive telecommunication services have made multimedia a topic of interest. This course is designed to take a serious look, from both academic and professional perspectives, at the foundations and principles behind development and production processes from inception (developing the concept) to completion (hands-on production, testing, and distribution) in this new entertainment and information medium. Pre-requisite: None

COMM707 SPECIAL TOPICS ON JOURNALISM AND E-NEWS

This course guides students to enrich their knowledge and skills for more in-depth news writing and reporting. Advanced techniques of news reporting, investigative reporting, and personality profiles will be covered including advanced skills in dealing with new sources, interviewing, library search, and computer assisted reporting (CAR). The course also places a significant emphasis on online news reporting and publishing, providing students with basic knowledge and skills of designing and managing news websites. Pre-requisite: None

COMM708 SPECIAL TOPICS ON ADVERTISING

This course develops students' ability to understand and effectively conduct research projects in advertising, such as audience analysis, message/media research, and marketing surveys. It is designed to bring together the theories and methods of communication and social sciences to deal with practical problems in advertising. Emphasis will be on a synthesis of theoretical studies in communication and professional practice in advertising. Pre-requisite: None

COMM709 SPECIAL TOPICS ON PUBLIC RELATIONS

This course provides students with a comprehensive and in-depth understanding of all aspects of public relations, including public relations practices in business, education and government with an emphasis on public relations principles: identifying target publics, press relations, cost management and planning public relations programmes. Pre-requisite: None

COMM711 COMMUNICATION AND SOCIAL CHANGE

Analysis of the role of communication in cultural, economic, political and social change. Integration and synthesis of theories concerning communication and change. Case studies will be examined. Pre-requisite: None

COMM712 MEDIA FUNCTIONS AND MANAGEMENT

This course provides in-depth case studies of the functions of different mass media, and conducts field observations and practice in technical operations. In addition, this course will

discuss and analyze media organization and management, process and characteristics of media decision making, personnel management and training, planning and production, and sales and distribution.

Pre-requisite: None

COMM714 PROFESSIONAL WRITING IN ENGLISH

This course provides advanced training in English journalistic writing and editing, promotional writing and other types of professional writing skills

Pre-requisite: None

COMM715 DIGITAL MEDIA

In this course transdisciplinary approaches will be used to study digital media in everyday practices, that includes existing and emerging technologies. Students will create original content and gain practical skills in software and imaging technologies.

Pre-requisite: None

COMM716 SPECIAL TOPICS ON COMMUNICATION AND SOCIETY

This course guides students to examine a range of theories and critical perspectives on communication and society. Covers a range of research contexts and outcomes. Content areas vary according to instructor and student interest.

Pre-requisite: None

COMM717 SPECIAL TOPICS ON COMMUNICATION AND CULTURE

This course examines interactions between communication and culture as experienced in virtual, mediated and face-to-face contexts. Covers a range of perspectives and research outcomes. Content areas vary according to instructor and student interest.

Pre-requisite: None

COMM718 SPECIAL TOPICS ON COMMUNICATION RESEARCH

This course provides in-depth training on a particular research method. Content areas vary according to instructor and student interest.

Pre-requisite: None

COMM719 CREATIVE AND CULTURAL INDUSTRIES: A MEDIA STUDIES APPROACH

This course will draw from a variety of disciplines that focus on popular media production and reception. Particular attention will be directed toward creative and cultural industries in Macao and beyond.

Pre-requisite: None

COMM720 INTERNSHIP

Students receive credit for their professional training placement in cooperation with local corporations, agencies, and organizations. They apply communication knowledge and skills to real-life contexts, and may apply this to writing a thesis. A student's company may be considered as professional training placement for the internship. Documentation is required for internship responsibilities and hours. Performance is evaluated by the student's thesis supervisor in collaboration with the internship site director. While students who write an Applied thesis are encouraged to complete an internship, this elective is not a pre-requisite.

Pre-requisite: None

COMM797 APPLIED THESIS

Successfully complete 9 courses and then write the thesis. A student writes an applied document which may be based upon a professional attachment or internship with a company, campaign strategy, advertising campaign, etc. Under the supervisor's guidance, the student completes a written document that describes and analyzes an applied activity. The length of the written document should normally be between 5,000 to 7,000 words.

Pre-requisite: None

COMM798 CREATIVE THESIS OR COMM799 ACADEMIC THESIS**Creative Thesis**

Successfully complete 8 courses and then write the thesis. The creative thesis is composed of two parts, an original production of any genre, and a write-up providing aims, purposes and justifications for the production that includes a sound understanding of creative histories pertaining to the chosen genre. Students are encouraged to maintain a production dossier with pictures, production notes, and other artifacts. The length of the written document should normally be between 6,000 to 8,000 words.

Pre-requisite: None

Academic Thesis

Successfully complete 8 courses and then write the thesis. The student designs a study, collects original data, analyzes and writes findings. The written document should normally be between 7,000 to 10,000 words.

Pre-requisite: None

COMM801 RESEARCH METHODS IN COMMUNICATION STUDIES

This course teaches applied media research, research criticism, data interpretation, and fundamentals of audience analysis. Topics include: experiment, surveys, content analysis, existing data analysis, theory/model construction, analyzing and criticizing studies.

Pre-requisite: None

COMM853 SELECTED READINGS IN COMMUNICATION RESEARCH

In this course, students will engage with high-level readings of primary sources for exploration of various topics related to the communication research. The course will enable students to become familiar with a set of research theories and techniques derived from the readings, and to apply that expertise to a research issue or topic.

Pre-requisite: None

COMM854 ACADEMIC WRITING FOR COMMUNICATION RESEARCH

This course has two main areas of focus. Firstly it will concentrate on the techniques of writing associated with or required by the various disciplines within the wider field of communication (including media studies and cultural studies): this will include writing for specific genres (thesis writing, writing a journal article, writing a literature review). Secondly it will deal with contextual issues, both general and specific to the field of communication, which inform academic writing: this will include editing, proofing, referencing and ethical issues and requirements.

Pre-requisite: None

ECOB100 BASIC MICROECONOMICS

An introduction to the principles of microeconomics. Topics discussed include fundamentals of the market system, determinants of consumer demand, output and pricing decisions of firms, the operations of competitive, monopolistically competitive, monopoly, and oligopoly product markets, labor and other factor markets, and the role of governments in economic activity.

Pre-requisite: None

ECOB110 BASIC MACROECONOMICS

An introductory course in macroeconomic principles. Topics discussed include determination of national income; national income accounting; unemployment and inflation; stabilization instruments of fiscal and monetary policy; economic models developed by Classical and Keynesian economists and the monetarist school.

Pre-requisite: None

ECOB120 MATHEMATICS I

The course is designed to prepare students to apply mathematical analysis to problems in economics. The course emphasizes the mathematics of differential calculus, including the concept of the derivative and its use in the analysis of functions. Concepts of matrices are also introduced. Illustrative applications to topics in social sciences are given throughout.

Pre-requisite: None

ECOB121 MATHEMATICS II

A continuation of Mathematics I. The course discusses multivariable calculus and its application for solving optimization and analyzing comparative statics of economics. The course also introduces economic dynamic and integral calculus, including dynamics and integration, definite integrals, improper integrals, and their applications.

Pre-requisite: ECOB120

ECOB122 STATISTICAL ANALYSIS I

Topics discussed include descriptive statistics; probability theory; probability distributions, and sampling distribution. The course is also an introduction to estimation and hypothesis testing. Students are required to use a software package, specifically Microsoft Excel.

Pre-requisite: None

ECOB123 STATISTICAL ANALYSIS II

The course is a sequence following Statistical Analysis I. The course includes topics in estimations and hypothesis testing for multiple populations, simple linear regression, non-parametric analysis, and time-series analysis.

Pre-requisite: ECOB122

ECOB200 INTERMEDIATE MICROECONOMICS I

The study of the behavior of individual participants in the economy. This intermediate-level course emphasizes optimal patterns of consumption and production, analysis of market equilibrium, and the structure of different types of product markets.

Pre-requisite: ECOB100

ECOB201 INTERMEDIATE MICROECONOMICS II

A continuation of Intermediate Microeconomics I. The course analyzes different models of oligopolistic market and factor market equilibrium. Other topics discussed include welfare economics, general equilibrium analysis, externalities, public goods, intertemporal choice, uncertainty, imperfect information.

Pre-requisite: ECOB200

ECOB210 INTERMEDIATE MACROECONOMICS I

An intermediate-level course studying the operations of the aggregate economy. Subjects covered include national income accounting, IS-LM model, aggregate demand and supply, fiscal policy, monetary policy, economic growth and the dynamic AD-AS model.

Pre-requisite: ECOB110

ECOB211 INTERMEDIATE MACROECONOMICS II

A continuation of Intermediate Macroeconomics I, subjects covered include economic growth, microfoundation of consumption and investment functions, demand and supply of money, problems of inflation and unemployment, deficit and inflation, and open economy macroeconomics. The theoretical foundations for formulating and implementing effective macroeconomic policies are also studied.

Pre-requisite: ECOB210

ECOB300 MANAGERIAL ECONOMICS

This course discusses the application of economic principles and methodologies to the decision-making process of firms or organizations. Rules and principles are introduced that aim at facilitating the attainment of the desired economic goals of management. Economic theory and the analytical tools of decision science are integrated to examine how an organization can achieve its goals most efficiently.

Pre-requisite: ECOB200

ECOB310 MONEY AND BANKING

This course provides an understanding of the economic role of money, focusing on discussion of different schools of thought relating to the significance of money and monetary variables.

Pre-requisites: ECOB100 and ECOB110

ECOB320 ECONOMETRICS I

Introduces elementary econometric techniques beginning with single- and multi-variable ordinary least squares regression models. Also discussed are generalized least squares methods, the problems of heteroskedasticity and autocorrelation, and the concept of multicollinearity.

Pre-requisites: ECOB122 and ECOB123

ECOB321 ECONOMETRICS II

A continuation of Econometrics I. The course explores more advanced topics in single and multivariate regression analysis, making use of matrix algebra. Empirical studies of econometric relationships make use of econometric software packages, such as EViews, STATA and others.

Pre-requisite: ECOB320

ECOB322 MATHEMATICS FOR ECONOMICS

Introduces mathematical tools and techniques used in the study of economics at an advanced level. Subjects discussed include static analysis, comparative statics, optimization methods, dynamic analysis, and mathematical programming.

Pre-requisites: ECOB120 and ECOB121

ECOB323 FORECASTING METHODS

Presents an overview of different economic forecasting methods, including judgmental, decomposition, exponential smoothing, seasonal ARIMA and econometric methods. Particular emphasis is laid on the use of forecasting methods in practical circumstances. Computer programmes such as Excel, EViews and STATA will be used.

Pre-requisites: ECOB120, ECOB121 and ECOB122

ECOB330 INTERNATIONAL TRADE

A course combining a theoretical treatment of the basis for international trade, focused on comparative advantage, reciprocal demand, factor endowments, and other trade theories, with an examination of the economic effect of various trade policies including tariff and non-tariff trade barriers. The integration of economies through trade and the international movement of factors of production are also discussed. Applications of theoretical models for analyzing current affairs are discussed throughout.

Pre-requisites: ECOB200 and ECOB210

ECOB331 INTERNATIONAL MONETARY ECONOMICS

Topics covered in this course include the monetary approach to the balance of payments; different exchange rate regimes; international capital mobility; international monetary organizations; markets for foreign exchange, including the Eurocurrency markets; the automatic adjustment mechanism; interest-rate and purchasing-power parities; speculative activity in money markets; and the setting of international macroeconomic policy.

Pre-requisites: ECOB200 and ECOB210

ECOB332 INTERNATIONAL ECONOMIC LAW

Discusses the legal aspects arising from international economic relations. Topics covered include laws covering international trade, technology transfer, international investment, taxation, and the resolution of disputes.

Pre-requisite: None

ECOB333 INTERNSHIP

This course intends to provide our students with the opportunities to apply their economics

knowledge to solving real world problems when they receive internship training offered by local government departments, banks or other financial institutes. Through the internship opportunities, our students will acquire/enhance their social and practical skills that enable them to be better prepared for rapidly shifting needs from the Macao Society.

Pre-requisite: None

ECOB350 DEVELOPMENT ECONOMICS I

Topics covered in this course include the concept of economic development, the measurement of levels of development, poverty and inequality, population, education and health, migration, agricultural and industrial development, the roles of the state and the market, financial and fiscal policies, foreign trade, and environmental issues in developing countries.

Pre-requisites: ECOB100 and ECOB110

ECOB351 DEVELOPMENT ECONOMICS II

Extends the analysis in Development Economics I, with special treatment on development theories and growth models that are applied to the developing economies.

Pre-requisites: ECOB100 and ECOB110

ECOB355 INSTITUTIONAL ECONOMICS

This course focuses on the comparative analysis of the economies of different countries. It develops a theoretical framework for comparing two polar types of economic system - capitalist and socialist - and examines the economies of the United States and the former Soviet Union as representative examples of these polar types. Other countries are studied to develop an appreciation of the broad range of economic systems found in the real world.

Pre-requisites: ECOB200 and ECOB201

ECOB360 URBAN ECONOMICS

Focuses on the application of economic principles to the understanding of the structure and functioning of urban areas. Topics discussed include the economic bases of urban growth; economic determinants of urban structure; economic aspects of locational choice; growth and decline in urban economies; and the use of economic principles in the analysis of urban problems.

Pre-requisite: ECOB200

ECOB361 ECONOMY OF HONG KONG, MACAO AND THE PEARL RIVER DELTA

This course provides basic knowledge on the economies of Hong Kong, Macao and the Pearl River Delta region. It focuses on the development of these economic entities in the past 10 -20 years and how these economies interact with each other and integrate into a regional economic bloc.

Pre-requisite: None

ECOB362 EUROPEAN ECONOMIES

This course surveys the ongoing process of economic integration in Europe and critically evaluates the performance from the early stage of integration to the current EMU. The increasing trade and economic relations between China and Europe and the role of Macao are also examined.

Pre-requisite: None

ECOB370 HISTORY OF ECONOMIC THOUGHT

An intensive survey of the development of economic thought. The course introduces the work of outstanding thinkers and theoreticians in economics through discussion of the varied traditions of thought that have developed in the discipline.

Pre-requisites: ECOB200 and ECOB210

ECOB371 WESTERN ECONOMIC HISTORY

A course examining the development of basic economic institutions in Western society.

Emphasis is placed on key problems of historical interpretation.

Pre-requisite: None

ECOB372 CHINESE SOCIAL AND ECONOMIC HISTORY

This course examines the traditional Chinese society and economy and their transformation in modern times. Emphasis is placed on the nature of basic socioeconomic structures, social stratification and mobilization, and the interrelationship of the state economy with local society.

Pre-requisite: None

ECOB375 APPLIED ECONOMICS

A course on the application of economic principles to private and public decision making. Topics discussed include pricing decisions and microeconomic forecasting carried out by firms, and the policy consequences of the measurement, forecasting and interpretation of aggregate economic variables carried out by governments.

Pre-requisites: ECOB100 and ECOB110

ECOB400 ADVANCED MICROECONOMICS

This course is a rigorous treatment of microeconomic theory making extensive use of mathematical tools, including differential calculus and constrained optimization. Topics discussed include public choice, risky assets, game theory, welfare, law and economics.

Pre-requisite: ECOB200

ECOB401 GAME THEORY

This course is designed to study static games as well as dynamic games, and in each case imperfect information is allowed. As such, the core solution concepts of Nash equilibrium and its variants will be covered. Selected economic applications of game theory, especially to the broadly defined economics of information, will also be discussed.

Pre-requisite: ECOB201

ECOB402 ECONOMICS OF INFORMATION

Topics include asymmetric information, adverse selection, moral hazard, signaling, screening, mechanism design and contracting.

Pre-requisite: ECOB201

ECOB403 WELFARE ECONOMICS

A course providing the theoretical knowledge necessary to understand the economics of public sector activity. Concepts discussed include Pareto optimality, public goods, externalities, public choice models, and cost-benefit analysis.

Pre-requisite: ECOB201

ECOB410 ADVANCED MACROECONOMICS

A rigorous treatment of macroeconomic theory, developed from a standard general equilibrium framework. The course examines various modern macroeconomic models with microeconomic foundation, especially growth models and overlapping generation models. These models will be used to discuss the topics in long-term economic growth, taxation, inflation, and social security. This course will also serve as a preparatory course for graduate level study.

Pre-requisite: ECOB210

ECOB435 PUBLIC ECONOMICS

This course aims to provide students with some basic understandings about the role of government and the reasons of government interventions in the economy. How households respond to the government interventions will also be discussed.

Pre-requisites: ECOB200 and ECOB210

ECOB440 LABOUR ECONOMICS

An introduction to the concept of the labor market, and the elements that distinguish it from

commodity or other factor markets. The economic theory of trade union behavior is discussed, as well as the effects of unions on labor markets and the economy as a whole. Economic statistics from Macao, Hong Kong, China and the United States are applied to understand problems of the labor markets in those countries.

Pre-requisite: ECOB200

ECOB445 INDUSTRIAL ECONOMICS

This course is an analysis of competition and monopoly power in market economies. It discusses elements and determinants of market structure, the effects of market power on economic performance, the behavior of firms under different market structures, and policies for regulating markets including antitrust policies. The activities of public enterprises are briefly discussed.

Pre-requisite: ECOB200

ECOB455 LAW AND ECONOMICS

This course discusses the application of microeconomic and econometric theory to common legal problems: torts, contracts, property and crime, and the limitations of economic analysis. No previous familiarity with the law is assumed.

Pre-requisite: ECOB201

ECOB460 THE MODERN MACAO ECONOMY

This course provides students with an understanding of the modern Macao economy. Emphasis will be placed on the economic development in the past twenty years. Sectoral analysis includes the dominant tourism, manufacturing, construction, and banking. Current issues such as structural change of the economy will be discussed.

Pre-requisite: None

ECOB461 THE CHINESE ECONOMY

The focus of this course is on reviewing and analyzing the economic performance of China. Topics include economic transition, reforms on agriculture and industry, fiscal and monetary issues, development of the non-state sectors, trade and foreign direct investment, social security system and others.

Pre-requisite: None

ECOB462 ECONOMIES OF THE ASIA-PACIFIC REGION

A course focusing on the economies of nations and territories within the Asia-Pacific region. The economic relationships among different countries within the region are a focus of attention, as are the economic links between the region and other parts of the world.

Pre-requisite: None

ECOB475 SELECTED TOPICS IN ECONOMICS

The major goal of this course is to get students familiar with frontier research in selected areas in economics and to motivate them to begin their own research.

Pre-requisite: approval from instructor

ECOB476 SOCIAL SCIENCES RESEARCH PROJECT I

In this course students in economics develop and carry out individual research projects under the supervision of an economics staff member. Pre-requisite: Classified for third and fourth students in Economics.

Pre-requisite: Classification As A Fourth Year Student In Economics.

ECOB477 SOCIAL SCIENCES RESEARCH PROJECT II

A continuation of Social Sciences Research Project I

Pre-requisite: Classification As A Fourth Year Student In Economics.

ECOB478 FINANCIAL ECONOMICS

This course is an introduction to economics of financial assets and financial markets. Topics: inter-temporal choice, expected utility theory, security valuation, selected asset pricing models, market efficiency, and the term structure of interest rates.

Pre-requisite: ECOB201

ECON700 MICROECONOMIC THEORY

Methodological foundations of microeconomics. Theories of production and individual choice. Aspects of decision theory under certainty, risk and uncertainty. Introduction to game theory under complete and incomplete information, with applications to oligopoly. Perfect competition as a limiting case. General competitive equilibrium: existence and Pareto efficiency. Private information in markets. Basic auction theory. General theory of markets with adverse selection. Contract design in the context of moral hazard problems.

Pre-requisite: None

ECON701 PUBLIC ECONOMICS

Measurements of changes in welfare; economy-wide incidence of taxes; taxation, risk-taking, and investments; corporate taxation; effects of taxation on financial markets; taxation of goods and services; taxation of income; taxation and savings; positive problems of redistribution; and tax arbitrage, tax avoidance, tax evasion, and the underground economy. Applied capital theory for public-sector investment decisions; social opportunity cost of capital, labor, and foreign exchange; social cost of unemployment; welfare cost of the inflation tax; issues of exchange rate policy.

Pre-requisite: None

ECON702 LABOUR ECONOMICS

Neoclassical analysis of labour market and its institutions. Topics on labour demand, labour supply, compensating wage differentials, human capital theory, discrimination and earnings differentials. Theories of wage and wage determination. Worker motivation and behaviour. Recent developments in the distribution of wage and salary income and in key institutions and organizational structures. Education and training: earnings functions, effects of school quality. Unemployment, search and turnover.

Pre-requisite: None

ECON703 INDUSTRIAL ORGANIZATION

Structure, behavior, and performance of firms and their interactions on social welfare, production, investment and other economic decisions under various forms of market structures. Organization of the firm, monopoly, oligopoly, price discrimination, auctions. Economic and social regulation, deregulation and privatization, patent, anti-trust. Principal agent theory, vertical and horizontal integration, contracts, firms' behavior under monopoly and oligopoly, government regulations.

Pre-requisite: None

ECON730 MACROECONOMIC THEORY

MSEC101 is the core macroeconomic course of the Master's programme. The aim of the course is to give an overview of some classic topics in macroeconomics, with a view to providing students with the skills required to read critically recent professional articles. The main focus is on the basic analytical structure of economic models, their empirical implications, and some policy applications.

Pre-requisite: None

ECON731 INTERNATIONAL TRADE AND FINANCE

Applications of basic trade theory to real-world economic problems. Neoclassical trade theory of pattern of trade and gains from trade, strategic trade theory under imperfectly competitive markets, labour migration and capital mobility, market distortions and commercial policies, dynamic trade theory and economic growth. Adjustment in international exchange markets,

balance of payments, and international monetary system. Application of recent theoretical analysis on macroeconomic fluctuations and growth within an open economy context.

Pre-requisite: None

ECON732 DEVELOPMENT ECONOMICS

Applied economic theories to economic growth and development. Meaning of development, economic growth, population and migration, capital flows, foreign aid, stabilisation and adjustment. Income distribution, poverty, hunger, household behaviour, agriculture, rural credit markets, institutions and the problem of corruption. Models of growth and developing emphasizing migration, modernization, technological change. Static and dynamic model of political economy.

Pre-requisite: None

ECON733 MONETARY ECONOMICS

Survey of monetary and financial economics with an emphasis on macroeconomic elements. Models and theories of money and financial intermediation. Standard methods of introducing money into the neoclassical growth framework, overlapping generations models, and search-theoretical foundations for money.

Pre-requisite: None

ECON760 METHODS OF ECONOMIC RESEARCH

Develops research ability of students through intensive discussion for preparing dissertation, individual and group research projects. Critical appraisal of modern economic research. Main techniques of empirical investigation and key issues in applying and testing theoretical models.

Pre-requisite: None

ECON 761 ECONOMETRIC ANALYSIS I

Review of conditional distributions, expectation, regression and principles of inference. Linear regression models, ordinary and generalised least squares, heteroscedasticity. Non-linear least squares. Hypothesis testing and confidence intervals. Maximum likelihood estimation and testing. Introduction to models and methods for discrete and censored data. Simultaneity, exogeneity, instrumental variables methods. Dynamic models: autoregressive and moving average processes, vector autoregressions. Causality, stationarity, unit root tests, and cointegration. Introduction to panel data methods and models.

Pre-requisite: None

ECON762 ECONOMETRIC ANALYSIS II

Study of econometric techniques using time series and spatially dependent cross section data. Generalized method of moments estimation, spatial dependence modeling, vector autoregression models. Applications of these techniques in finance, macroeconomics, marketing, industrial organization, development, and other fields as well. Empirical processes and asymptotic theory, nonparametric and semiparametric estimation, unit roots and cointegration, continuous time econometrics.

Pre-requisite: None

ECON763 ADVANCED TOPICS IN ECONOMIC THEORY

Topics on some frontier issues in economic theory. Macroeconomics: optimal fiscal and monetary policy, time inconsistency and incentive incompatibility of optimal policy, redistribution and political economics, real business cycle models, new Keynesian models, endogenous growth, recursive methods and robust control; Microeconomics: bounded rationality and complexity, evolution and learning, advanced game theory (in particular dynamic games), social learning, evolutionary/learning game theory and evolutionary financial economics. Papers on current topics of research in economic theory, mathematical economics, finance, and mathematical problems of interest to economists.

Pre-requisite: None

ECON780 THE CHINESE ECONOMY

Applies economic analysis to the study of Chinese economy. Sectoral contribution to the growth of total output. Formation of the development strategies before and after the economic reform. Evaluation of various macroeconomic policies after the 1980s; and China's integration with the global economy.

Pre-requisite: None

ECON781 REGIONAL ECONOMIES (ASIA-PACIFIC/EUROPEAN MONETARY UNION)

Advanced economic analysis of the growing Asia-Pacific economies and the expanding European monetary union. Major issues such as economic liberalization and restructuring, regional integration and globalization. In-depth reading and individual research for selected regions.

Pre-requisite: None

ECON805 ADVANCED TOPICS IN ECONOMETRICS

The course investigates further current topics in theoretical and applied econometrics. Topics will vary and reflect current student and faculty's demand and instructors' interests. Selected advanced topics may include nonparametric and semi-parametric estimation, numerical optimization, simulation methods, time series, spatial, and panel data models

Pre-requisite: None

ECON806 ADVANCED TOPICS IN MACROECONOMICS

The objective of this course is to provide an overview of some classic topics in macroeconomics, with a view to providing students with the skills required to read and write professional articles. The main focus is on the basic analytical structure of economic models, their empirical and policy implications.

Pre-requisite: None

ECON807 ADVANCED TOPICS IN MICROECONOMICS

This course is organized into 3 parts, covering consumer and producer theories (Part I), market equilibrium and welfare (Part II) and selected topics in applied game theory (including part of behavioral economics) and its applications in the economics of information and incentives (Part III).

Pre-requisite: None

EURS710 PUBLIC POLICY AND POLITICS

This is an introductory course in the theory and practice of public policy wherein the problems, agendas and formulation of policy formation will be discussed. It also examines several theories of public policy including theories of policy adoption and policy implementation. The course will conclude with discussions on topics such as policy impact, evaluation and change in public policy making.

Pre-requisite: None

EURS711 GOVERNMENTS AND EU GOVERNANCE

This course discusses the institutional dimension of the EU as a multilevel civilian political entity, while addressing the socio-economic dimension of multilevel governance and the Lisbon Strategy (2000-2010). It also allows students to have understandings in the institutional framework of the EU external relations as well as the EU global governance and the concepts of multilateralism.

Pre-requisite: None

EURS712 SOCIAL POLICY AND EUROPEAN IDENTITY

The course approaches the welfare states and social model in the EU from the legislation phases with respect to the relevant economic policies under Europe's democratic background and also introduces the concepts about European Identity. There are needs for the reform in the social policies regarding its sustainability while the EU is facing globalization and other social

and economic problems.
Pre-requisite: None

EURS715 HISTORY OF EUROPEAN INTEGRATION

This course introduces students to the process of the construction of the European Union since the end of the Second World War: it analyzes the essence of every stage in the integration processes; discusses the major driving forces and challenges in each stage, including social-economic, political, institutional and individual factors. In this course students should develop their abilities of theoretical and empirical analysis of processes and stages of the European integration. Through lectures and discussions, students should be able to distinguish between primary information and secondary one, to express one's own opinion clearly and support it with evidence and arguments. Students should also extend their knowledge by searching for relevant readings.

Pre-requisite: None

EURS716 RESEARCH METHODS

This course aims to introduce a variety of research methods to assist the students in designing feasible and theoretically sound research studies. The course consists of two parts: lecture and proposal presentation.

Pre-requisite: None

EURS717 ACADEMIC WRITING

This course, intensive in its nature, introduces students to the basics of academic writing. Aspects of focus include style, structure, grammar and punctuation. The course will also allow learners to explore issues regarding process of writing.

Pre-requisite: None

EURS724 INTRODUCTION TO MACROECONOMICS

The course is composed of theoretical and factual contents. Its objective is to provide the students with the Microeconomic theories at intermediate level and it is combined with the historical background of the European Union, the rise of the integration and also a general picture about the European Union today. The core of the theoretical part falls onto the IS-LM as well as the AD-AS model while the students should understand how the economic policies function.

Pre-requisite: None

EURS725 THEORY OF EUROPEAN INTEGRATION

It presents the different stages of integration (from the customs union, free trade area, common market... to the economic union), problems and benefits, policies and the movement for the completion of a single market, supported by empirical studies and theories from both the political and economic point of view upon the dimensions of widening and deepening.

Pre-requisite: None

EURS726 ECONOMIC POLICIES OF THE EU

This course explains the economic policies for the internal market, the financing and institutional set-up of the policies, Agricultural Policy, Cohesion Policy (Structural Funds), and the structural reforms along with the dynamic integration process in Europe.

Pre-requisite: None

EURS727 THE EUROPEAN MONETARY UNION IN THE WORLD CONTEXT

The course includes an introduction about the European monetary unification in an historical perspective, the costs and benefits of a monetary union, the governance and the strategy of the European Central Bank, with the analysis of the enlargement process of both the European Union and the Eurozone. It also discusses the global role of the euro and the development of the single European capital market.

Pre-requisite: None

EURS728 GLOBALIZATION & EU'S FOREIGN DIRECT INVESTMENT

It illustrates the growing importance of globalization and multinational enterprises in the world economy. The theories that explain the internationalization process of companies will be analyzed, as well as the evolving organizational structures according to the degree of multi-nationality of firms. The tendencies of multinational enterprises to enter into joint ventures and other collaborative agreements will also be studied. Special attention will be devoted to the outward direct investment of the EU.

Pre-requisite: None

EURS729 LISBON STRATEGY AND SUSTAINABLE DEVELOPMENT

The Lisbon Strategy is the EU's response to globalization in 2000. The course introduces the economic, social and environmental dimensions of this ten year plan with also its first phase assessment and the reform in the second phase; how this agenda is related to the structural reforms of the EU and what the difficulties and problems are.

Pre-requisite: None

EURS730 INNOVATION AND THE WORLD ECONOMY

This course introduces the theoretical models and conditions for innovation, the systems of innovation at different levels and how these can contribute to the construction of a knowledge-driven economy and an e-society. It also provides the background of the Lisbon Strategy and discusses about the policy instruments in the EU.

Pre-requisite: None

EURS734 EU LAW I - INSTITUTIONS AND TREATIES

The course explains the legal foundation of the European Communities/Union, which is based on the treaties signed by the member states, and it introduces the decision-making procedures, roles and competences of the institutions, and especially the Commission, Council, Parliament, Court of Justice ... etc. in the process of construction of the European single market.

Pre-requisite: None

EURS735 EU LAW II - FOUR FREEDOMS

The course's rationale is to further the students' understanding about the EU internal market and the rules governing it with the focus on the four freedoms and the principles regulating free movement within the EU. It builds upon the foundation material in ECIEU taught earlier in the year and examines the substantive law of the ED. As such, the course provides combination of lectures on laws and rules regulating internal market followed by discussion. It also explains the free movement of goods, persons, services and capital and concludes with basic competition rules with reference to the case law.

Pre-requisite: None

EURS737 THE LISBON TREATY & INSTITUTIONAL REFORM

This course provides an introduction to the legal and institutional reforms under the Treaty of Lisbon (TOL). The TOL shapes EU law and institutions for the foreseeable future. In this course, we explore this important transformation of EU Law by outlining the main reforms and their implications so far. We also consider the implications of the post-2007 financial crisis for the reform of EU institutions.

Pre-requisite: None

EURS738 EU AND SUSTAINABLE DEVELOPMENT

The "Lisbon Strategy" was the EU's response to globalization in the first decade of this century and it is succeeded by the "Europe 2020" for the second decade. The course introduces the economic, social and environmental dimensions of this ten year plan and examines how this agenda addresses the structural problems and issues about the sustainable development of the EU.

Pre-requisite: None

EURS745 THEORY OF INTERNATIONAL RELATIONS

By an overview of IR theories, the course aims to enable students to grasp the main themes of the theories that have been most influential in explaining world politics and, to some extent, to apply them in analyzing the reality of world affairs. This course examines traditions of key theories and approaches in the study of international relations, including classical realism and neo-realism; classical liberalism and neo-liberalism; the concept of international society; social constructivism and its application in IR; the relations between states and markets in world affairs (international political economy); the study of managing external relations and activities of nation states (foreign policy analysis).

Pre-requisite: None

EURS746 EXTERNAL & SECURITY POLICIES OF EU

This course aims to present a general understanding of the developments in European peace, security, defence and military policies with special reference to EU's CSFP, CESDP, the new EU crises intervention force and the EU armament market. It will provide the students with the necessary theoretical-methodological as well as historical background for this understanding.

Pre-requisite: None

EURS747 EU AND THE WORLD I: THE NEIGHBOURHOOD

The course introduces how the new members in the east joined the European Union and the relation between the former Communist countries as well as those in the Mediterranean region. It also presents the discussions for further enlargement of the EU.

Pre-requisite: None

EURS748 EU AND THE WORLD II: EU-ASIA RELATIONS

This course aims to introduce the complexities of EU-Asia relations, both, at the inter-regional level and at the bilateral level. It will focus on matters that will encompass the following Asian sub-regions: East Asia, Central Asia and South-Asia. Within East Asia, special attention will be given to China-EU relations, both from the historical point of view as well as the most recent developments, including bilateral negotiations towards a new Partnership and Cooperation Agreement (PCA). EU-Japan and EU-ASEAN relations will be given some attention, as well. The ASEM process (Asia Europe Meeting) will be introduced as a case of summit diplomacy with all its merits and limitations. In regard to Central-Asia, a brief analysis of Central-Asia significance in the context of Asia-Europe relations and the overall economic and security concerns of EURASIA will be the focus of our attention. In the same token, EU-India relations will be briefly analyzed. Because the EU integration force is such an overall successful process, by bringing peace and development to the whole continent of Europe, it will attract other regions to also try the similar experiences. Regionalism in Asia is an on-going issues and it is worth comparing currents Asian trends with the case of the EU.

Pre-requisite: None

EURS749 EU AND THE WORLD III: THE REST OF THE WORLD

It introduces the relations between EU and Africa and EU with the America. Europe has with Africa historical relations, from its colonial past. It is therefore a special relation with positive as well as negative outcomes. EU-African relations will be analyzed against the backdrop of recent developments of Africa in the international context, namely Africa-China relations and Europe reactions to the development of these relations. On the other hand EU has strong relations with some of the leading countries of South America, particularly those belonging to Mercosur. Region-to-region dialogue as well as bilateral relations will be analyzed. Lastly, the EU-US relations, is the corner stone, the most important single element of EU's external dimension. All implications of those relations from the bilateral perspective as well as multilateral implications will be covered, as well as the implications of this Atlantic connection to overall EU relations with the world in the various dimensions of the CSFP as well as CESDP.

Pre-requisite: None

EURS798 ACADEMIC THESIS

This course, intensive in its nature, introduces students to the basics of academic writing. Aspects of focus include style, structure, grammar and punctuation. The course will also allow learners to explore issues regarding process of writing.

FSSG801 ACADEMIC WRITING

This doctoral level course aims to develop students' knowledge and skills regarding academic scholarship and research writing within the social sciences. The course includes the discussion of ways in which culture informs academic writing, and the underlying principles of logic, argumentation and reasoning in academic writing practices. Discipline-specific scholarly conventions and technical requirements for 5 quantitative and qualitative research reporting are discussed and applied in preparation for dissertation writing and the writing of research papers for publication in refereed English journals. Students will also engage with relevant primary and secondary source readings, and conduct critical analysis of exemplary texts.

Pre-requisite: None

FSSG802 QUANTITATIVE RESEARCH METHODS

This course is a doctoral level seminar designed to develop the students' knowledge and skills of quantitative methods in social sciences, familiarize them with procedures of designing and implementing quantitative research projects, improve their critical thinking capability, and increase their competency in writing research papers for publication in refereed English journals. It will provide the students with hand-on experiences in data collection through surveys and data analysis using SPSS, the software packages most commonly applied in quantitative research in social sciences.

Pre-requisite: None

FSSG803 QUALITATIVE RESEARCH METHODS

This doctoral level course aims to develop students' knowledge and skills of qualitative research methods in social sciences. Students explore different ontological, epistemological and related methodological perspectives of qualitative research in 6 applied contexts, professional practice, and cultural settings. Students also engage with high-level readings of primary sources and apply critical analysis of exemplary qualitative research papers in preparation for designing and implementing qualitative research projects, develop interpretive/hermeneutic skills, and enhance competency in writing research papers for publication in refereed English journals.

Pre-requisite: None

FSSG805 RESEARCH ETHICS

In this online research ethics course, students will engage as independent learners in the CITI training programme to gain in-depth knowledge and understanding of all aspects of ethics as it applies in the social sciences. The CITI training programme comprises the minimal standards to demonstrate ethical competence and to comply with UM policy and Macao governed regulations for research with vulnerable populations, emerging designs, technology, and more. All students need to complete the discipline-specific prescribed units of the CITI training programme with a default score of 80% or more.

Pre-requisite: None

FSSG806 UNIVERSITY TEACHING AND PRACTICE

The purpose of this seminar-based course is to introduce students to the issues, practices and strategies involved in collaborative and interactive teaching in higher education settings. Through assigned readings and online and in-class discussion, the course focuses on the nature of teaching and learning, the role of student engagement, how student development impacts learning, the use of technology to enhance student learning, course design, learning outcomes, and models of teaching practice. The course further explores strategies for authentic assessment and whole person education, as well as the development of a teaching

portfolio through practical application.

Pre-requisite: None

FSSG807 ACADEMIC WRITING AND SCHOLARSHIP

This doctoral level course aims to develop students' knowledge and skills regarding academic scholarship and research writing within the social sciences. The course includes the discussion of ways in which culture informs academic writing, and the underlying principles of logic, argumentation and reasoning in academic writing practices. Discipline-specific scholarly conventions and technical requirements for quantitative and qualitative research reporting are discussed and applied in preparation for dissertation writing and the writing of research papers for publication in refereed English journals. Students will also engage with relevant primary and secondary source readings, and conduct critical analysis of exemplary texts.

Pre-requisite: None

FSSG808 SOCIAL THEORY

This seminar-based course covers a wide range of material derived from a variety of theoretical traditions and bodies of work. It introduces students to, and help them develop an understanding of, complex issues and texts that are now established as the theoretical basis of scholarship in a number of relevant cognate fields, including communication studies, media studies, cultural studies, gender studies, visual culture, postcolonial studies, literary studies, anthropology, education, film studies, sociology and psychology. Topics in this course will vary according to course instructor and student interest, and may include readings of classical and/or contemporary theories in the social sciences.

Pre-requisite: None

GEGA001 MACAO AND CHINESE CIVILIZATION (Start offered as pilot from 2016/2017)

This course aims to let all UG students gain a solid knowledge and an in-depth understanding of the historical and contemporary Greater China (mainland China, Hong Kong, Macao, and Taiwan). This course examines the Sino-Western interactions and the introduction of Western ideas to China via Macao and missionary activities; traces the development of modern China from the first Opium War to the present; explores the issues and challenges China faced and is continuously facing in its transformation and rise; and help students to understand Macao from historical, political, social and cultural perspective. The course will be taught in both English and Chinese.

Pre-requisite: None

HSTB110 HISTORY OF MACAO

This course introduces and examines the historical development of Macao since its founding in the 16th century. Apart from examining the political aspects of Macao's history, students will study the social, economic, and cultural dimensions of the historical development of modern Macao over the past four centuries.

Pre-requisite: None

HSTB111 ANCIENT CHINESE HISTORY

This survey course is designed to provide the student with an overview of Chinese history before modern times. It retraces the growth of Chinese civilization from its pre-historical genesis until the 17th century. Students will understand through readings, lectures, videos, and discussions the historical patterns of traditional China's evolution. This course will stress major events and the nature of the political, cultural, and social structures of ancient China.

Pre-requisite: None

HSTB112 MODERN CHINESE HISTORY

This is a survey course on modern China from the 17th century to the establishment and decline of the Republic in the early 20th century. It traces the social disorders and transformations of modern China, covering such topics as the Ming-Qing dynastic wars, internal rebellions and

foreign wars, the fall of the Qing Dynasty, the political disintegration and reintegration under the Republic, the attempts at reforms and modernization, and the rise and victory of Chinese Communism in 1949. This course explores the issues of imperialism, nationalism, revolution, communism, totalitarianism, and modernization.

Pre-requisite: None

HSTB113 HISTORICAL THEORY AND PRACTICE

This course focuses on the methods of historical study, the sources for doing historical research, and the craft of writing history. It will introduce students to a wide variety of methods and approaches to the study of the past, and to critically examine the issues of "doing" history. Classes will consist of lectures, discussions, as well as visits to libraries, museums, and occasional fieldtrips. On a more practical level, students will learn how to take class notes, prepare for examinations, compile bibliographies, and write short book reports and research papers.

Pre-requisite: None

HSTB120 HISTORY OF MODERN EAST ASIA

This is a survey course that traces the foundation and development of modern East Asia since the 19th century. Through examining the major historical events, the transformations of political and economic institutions, and the social and cultural trends of China, Korea, and Japan from the early nineteenth century to the present, the course provides interpretations for many intriguing historical phenomena, such as feudalism, imperialism, warlordism, militarism, nationalism, and communism. This course will also compare and contrast the processes and methods involved in modernizing China, Korea, and Japan.

Pre-requisite: None

HSTB121 MODERN AMERICAN HISTORY

This is a survey of the American past from the post-Civil War era to the 1990s. Students will study about the growth and impact of industrialization and urbanization in the Gilded Age, the reform movements, such as progressivism, the New Deal, the Civil Rights movements, and the Great Society. This course traces America's path to global involvement in the 20th century, including America's entanglement in the two world wars and the wars in Korea and Vietnam. The course aims to help students acquire a firm knowledge of major themes and characteristics of the United States and its people, and a better understanding of the present with a new perspective derived from the study of the past.

Pre-requisite: None

HSTB150 CONTEMPORARY CHINESE HISTORY

This is a survey course on Communist China from its outset when the Chinese Communist Party (CCP) seized power and established the People's Republic of China in 1949 to the present. Emphasis will be on the current social, economic and cultural transformations brought about by the reforms since 1978. It investigates the political and economic policies of the CCP and its impacts during the Mao Era and the Post-Mao Era in general, and pays particular attention to the various social phenomena during the periods of the 1950s, the Cultural Revolution, and more recent reforms.

Pre-requisite: None

HSTB151 HISTORY OF HONG KONG

This introductory course explores the transformation of Hong Kong from a backwater fishing village in the 18th century to bustling metropolis today. Lectures cover the historical setting before British rule, British colonialism under the treaty system, modernization and rise of nationalism in Hong Kong, Japanese imperialism, end of British rule, and reunification with the PRC. Particular attention will be given to the complex relationship between the Chinese community, colonial authority, and local officials in Hong Kong's development.

Pre-requisite: None

HSTB152 ART HISTORY OF ANCIENT CHINA

This course is a historical survey of the visual arts of China from the Neolithic Age to Qing Dynasty. Students are introduced to a variety of artistic traditions and media, including ceramics, bronzes, sculpture, painting, and architecture. Discussion will cover significant issues of art history, with emphasis on the underlying philosophy, religion, history, and aesthetics of Chinese culture.

Pre-requisite: None

HSTB153 ART HISTORY OF MODERN CHINA

This course is a survey of the major trends and art works in China from the late Qing Dynasty to the present. This course explores the ways in which Chinese artists of the 20th century have defined modernity and their tradition against the complex background of China's history.

Pre-requisite: None

HSTB154 FIELD WORK IN HISTORY

In this course students will study history by participating in fieldtrips to various historical sites and museums both inside and outside of Macao. Students will learn about the uses and values of oral and ethnographic history through an on-hands approach to doing history. Fieldtrips will be supplemented with in-class lectures, discussions, films, and reading assignments.

Pre-requisite: None

HSTB210 WESTERN CIVILIZATIONS I

This course begins in ancient times, with the foundations of Western civilizations, crisis and recovery in the Middle Ages, and then follows the cultural, social and political progress of Europe through the Renaissance and Reformation, its overseas expansion in the early modern era, and the Age of Enlightenment. The course focuses on European thought and culture, as well as technological change and political competition that set the stage for the rise of the Western prominence in the modern world.

Pre-requisite: None

HSTB211 HISTORY OF PORTUGAL

This survey course introduces students to a wide range of historical issues about Portugal from world power in the Age of Discovery in the 15th and 16th centuries to the Portuguese Empire in the 19th century and up to the present. The course focuses on political, social, cultural, and economic developments, including the expansion and decline of the Portuguese Empire, the end of monarchy and the development of the Republic, and Portugal's integration into Europe and its global involvement.

Pre-requisite: None

HSTB220 WESTERN CIVILIZATIONS II

This course explores the Enlightenment ideas that gave rise to the French Revolution, as well as the technological foundations that led to the Industrial Revolution. It follows the movement of Europeans throughout the world in the 19th century as well as the cultural and social progress of Western societies. It examines the age of catastrophe punctuated by two world wars that produced the division of Europe, and ends with the economic and political reintegration of the European continent.

Pre-requisite: HSTB220 or permission of the instructor

HSTB221 READINGS OF CLASSICAL CHINESE DOCUMENTS AND HISTORICAL MATERIALS

This course consists of two parts. The first part introduces students to the significance of historical source materials, the classification of ancient Chinese historical materials, and the means of examining and utilizing historical source materials. The second part teaches students how to read and find historical source materials. Through case studies, students will learn how to discover and understand historical source materials and develop their capability of examining, analyzing, and using historical source materials, while also enhancing their reading ability of

Chinese classics.
Pre-requisite: None

HSTB222 HISTORY OF TRADITIONAL SOUTHEAST ASIA

This course is a survey of Southeast Asian history from earliest times to 1750. The course will highlight the development of Southeast Asian civilization before the rise of modernizing indigenous states and Western imperialism. Topics to be examined will include the prehistoric roots of Southeast Asian civilization, religion and popular beliefs, artistic achievement, maritime and overland trade, state formation, and gender and social relations. The course will also focus on the region's interactions with the outside world, such as India, Sri Lanka, China and Europe, and examine the ways in which Southeast Asians adapted the new external ideas and technologies to their own ends.

Pre-requisite: One 100-level History course or permission of the instructor

HSTB250 MACAO IN WORLD HISTORY

This is an in-depth study of Macao and its role in World History. Topics to be discussed will include the arrival and establishment of the Portuguese and Spanish in Asia; the establishment of Macao as a hub for East-West interchanges; Jesuit activities and Macao as a trading entrepôt in late-Ming; conflicts between Catholics and Protestants in Asia and the changing nature of trading networks; Macao as the gateway to the China trade; the rise of a "coolie trade;" Macao under the umbrella of Hong Kong; Macao as a refuge in WWII; and the emergence of the Gaming Industry in the late 20th century. Special attention will be given to Macao's responses to the changing environment in East Asia and how it was able to redefine itself in the face of competition and adversity.

Pre-requisite: HSTB110 or the permission of the instructor

HSTB251 HISTORY OF TRADITIONAL EAST ASIA

This is an introductory course to the civilizations of East Asia from earliest times to the 19th century. It outlines the foundation of states and socioeconomic patterns as well as the political and cultural developments of ancient and early modern China and Japan. Special attention is given to the early religious, philosophical, literary and artistic accomplishments of the two countries, for the purpose of a broad understanding of East Asian culture and awaking you to world developments.

Pre-requisite: One 100-level History course

HSTB252 HISTORY OF MODERN SOUTHEAST ASIA

This course is a survey of Southeast Asian history from 1750 to the present. The course will highlight the development of a modern Southeast Asian civilization during a period of great difficulty and intensity, when Southeast Asians struggled to maintain independence in the face of increasing influence and pressure from outside. Topics to be examined will include colonialism, nationalism, the formation of new states and societies, efforts at regionalism, and ethnic and religious tensions.

Pre-requisite: One 100-level History course or permission of the instructor

HSTB253 HISTORY OF MODERN SOUTH ASIA

This course will introduce students to the central historical themes of South Asia since the decline of the Mughal Empire in the late 18th century. It begins by considering the role of indigenous and foreign merchants, military entrepreneurs and Indo-Islamic administrators in creating but also undermining the regional states that emerged in India following the decline of centralized Mughal authority. The impact of the British on the subcontinent, particularly the culture of colonialism, the nature of the colonial state, the emergence of nationalism, and partition of the sub-continent are themes that students will explore. We will examine the key issues involving colonialism, nationalism, ethnic and religious divergences, and subaltern groups such as peasants, workers and women.

Pre-requisite: One 100-level History course

HSTB254 HISTORY OF ASIAN ARTS

This course is Survey of the major monuments and trends of Asia, with focuses on three major regions: India, China, and Japan. By examining in depth a few characteristic works of art from each tradition, we will not only discuss the distinctive artistic styles, forms, and aesthetics of each region, but will also explore the mutual influences among these regions, and examine the cultural, social and religious contexts in which these works of art were produced.

Pre-requisite: None

HSTB255 HISTORY OF WESTERN ARTS

An introductory survey of painting, sculpture, and architecture in Europe and America from ancient times to the present. This course will explore such topics as the arts of ancient Greece and Roman, Medieval Europe, the Italian and Northern Renaissance, the Baroque period, and the 18th through 20th centuries. Lectures focus on the historical outlines of the major art movements. We will also focus on developing students' critical faculties – the ability to apprehend and comprehend a work of art.

Pre-requisite: None

HSTB256 HISTORY AND FILMS

This course is an examination of world history through the critical study of selected films and documentaries. Students will understand how to appreciate such historical films as artistic representations and/or historical perceptions of the past. Studying both historical accuracy and director's perspective, we will develop an understanding of the nature of history with regards to the film industry.

Pre-requisite: None

HSTB257 HISTORY AND NOVELS

This course encourages students to reflect on the interrelationship between history and literature. The special focus of this course will be Chinese and Western historical novels. Its goal is to teach students the ways that historians can make use of such literary works to understand the interrelationship between authors, novels, and the past.

Pre-requisite: None

HSTB275-279 SPECIAL TOPICS IN HISTORY

Special courses on various historical topics to be developed by current faculty and visiting scholars.

Pre-requisite: None

HSTB320 ASIAN MARITIME HISTORY

Maritime history involves more than trade. This course explores the political, economic, social, and criminal (piracy and smuggling) interactions between China, Southeast Asia, and India from the 16th century to the present day. Students will study about pan-Asian trade and tribute interactions, and retrace the migrations of different ethnic groups as they interacted across maritime Asia. Special attention will be paid to the cultural diversities of each group and the reasons behind their migrations, exchanges, and encounters.

Pre-requisite: One 100- or 200-level History course or permission of the instructor

HSTB350 CHINA AND WORLD HERITAGE

Heritage is our legacy from the past, what we live with today, and what we pass on to future generations. Our cultural and historical heritages are irreplaceable sources of life and inspiration. World Heritage sites belong to all the peoples of the world. This course surveys the definition, meaning, history, and characteristics of world heritage sites in China. Students will not only have classroom lectures but also take a study tour to at least one world heritage site in China during this course.

Pre-requisite: None

HSTB351 CULTURAL HISTORY OF MACAO

In this course students will explore the fascinating cultural history of Macao from the 16th century to the present. Lectures and discussions will focus on the cross-cultural exchanges between East and West in the making of a unique Macao identity. Students will examine the multi-dimensional character and meanings of Macao's cultural, religious, culinary, gaming, and architectural heritage.

Pre-requisite: HSTB110 or permission of the instructor

HSTB352 CHINESE PAINTING AND CALLIGRAPHY

This course will examine Chinese painting and calligraphy from the Eastern Zhou to the Qing Dynasties, with emphasis on style, subject matter, and cultural context. We will deal with representative masterpieces of painting, the most important artists of each dynastic period, and the major artistic movements to study essences of Chinese art. At the same time through these we will also try to understand the characteristics of Chinese culture.

Pre-requisite: None

HSTB353 HISTORY OF U.S. – ASIA RELATIONS

This is an in-depth course to acquaint students with the broad outlines of US policies and foreign relations in Asia over the past 100 years. The focus will be on the relationships of the US with China, Japan, and Vietnam. Taking a multi-dimensional perspective, the course will explore the major diplomatic issues and experiences of the US in Asia from the era of "Open Door" to the post Cold War period. Using a wide range of written and visual sources, students will explore key issues concerning Chinese, Japanese, European, and American imperialism in Asia. Students also will carefully examine the causes and consequences of America's wars in the Pacific, Korea, and Vietnam. Special attention will be paid to the roles of race, culture, and gender in foreign affairs.

Pre-requisite: One 100- or 200-level History course or permission of the instructor

HSTB354 BUDDHIST ARTS IN CHINA AND MACAO

This course offers a study of major iconographies, artistic trends, and monuments in Chinese Buddhist art. By the end of the course, special attention will be given to temples and images from Macao. We will examine the multifaceted tradition of Buddhist art as a profound expression of both artistic and religious values. Through this course, students will develop skills of visual analysis and a critical vocabulary for discussing the iconographies and styles of Chinese Buddhist art. In addition, the course is designed to foster an understanding of Buddhist images according to their physical, social, and especially religious contexts.

Pre-requisite: None

HSTB355 HISTORY OF CHINESE POPULAR CULTURE

This course aims to deepen our understanding of Chinese history and culture by exploring what ordinary people thought, felt, and believed. In this course we will explore operas, storytelling, and other forms of village entertainment; the rituals and scriptures of local cults; village festivals and domestic rituals; the built environment – village forms, houses, temples; and popular iconography. Students will read ballads, stories, local operas, popular scriptures, descriptions of local rituals, and accounts of major festivals. Popular woodblock prints, temple murals, and vernacular architecture will also be viewed and discussed. In-class lectures and discussions will be supplemented with fieldtrips to cultural and historical sites.

Pre-requisite: One 100- or 200-level History course or permission of the instructor

HSTB356 GENDER AND WOMEN IN WORLD HISTORY

This course examines the role of gender in selected topics in world history from earliest times to the present. The course will explore how meanings of sexual differences between men and women relate to political system of empires, kingdoms and colonies, religious practices, and economic production. We will also examine issues of family, kinship, marriage and women through comparison and contrast of global and local patterns.

Pre-requisite: One 100- or 200-level History course or permission of the instructor

HSTB357 CRIME AND PROTEST IN HISTORY

A critical examination of the social and cultural history of crime and protest, this course is global in scope and covers all ages. Topics will include everyday forms of resistance and protest, the cultural and social meanings of crime, women and crime, banditry, piracy, and riots, as well as the mafia, secret societies, and millenarian movements throughout history.

Pre-requisite: One 100- or 200-level History course or permission of the instructor

HSTB358 HISTORY OF MEDIEVAL EUROPE

This course examines the history of Medieval Europe from the 4th to 16th centuries, exploring the principal driving forces behind the formation of medieval societies and how they developed and evolved over time. It stresses the importance of recognizing the distant past in developing a better understanding of the modern world. We adopt a thematic approach to the study of Medieval Europe covering several important themes such as the growth of cities, kingship, religious reform, the Black Death, as well as the intellectual and cultural life of the Middle Ages. Students will consider how the spread of monasticism, the reform of the papacy, the crusades, and feudal monarchy in the High Middle Ages all contributed to the emergence of a new social, economic, and political order in Europe.

Pre-requisite: One 100- or 200-level History course or permission of the instructor

HSTB359 RENAISSANCE AND EUROPEAN EXPANSION

The European Renaissance from about the 14th to the 17th century, and the subsequent expansion that emerged from it, had an enormous impact on Europe and the world. This course discusses some of the new ideas, concepts, technologies and forms of art that emerged during the Renaissance, and the impact they had on societies in Europe. Special attention will be given to how those changes that gave rise to Europeans expanding their empires and influences beyond their borders. Students will follow the Europeans as they establish religious, commercial and political connections throughout the world, and explore how those encounters impacted indigenous populations as well as life in Europe.

Pre-requisite: One 100- or 200-level History course or permission of the instructor

HSTB360 HISTORY OF TWENTIETH-CENTURY RUSSIA

This course will examine the main themes of Russian history in the 20th century, including the causes and consequences of the Russian Revolutions, the reestablishment of state power over a multi-national empire, the rise of Stalin, industrialization and its social consequences, collectivization and state terror, the Soviet defeat of Hitler, the Soviet perspective of the Cold War, the de-Stalinization of the country in the 1950s and 60s, the 1970s stagnation and ossification of the Soviet system, and the Gorbachev revolution and regime collapse as well as continuities and discontinuities in the new Russian state.

Pre-requisite: One 100- or 200-level History course or permission of the instructor.

HSTB361 THE INTERNATIONAL COLD WAR IN HISTORY

For almost fifty years the United States and the Soviet Union were engaged in an ideological struggle for ascendancy following their allied victory in World War II. This course will cover the origins of this struggle in the postwar settlement of Europe, and its spread into Asia and the decolonized world during the subsequent decades. While the course will examine the economic, military and geo-strategic dimension of the conflict, it will focus on the cultural constructions it produced in order to understand and justify political action by countries around the world.

Pre-requisite: HSTB121

HSTB375-379 SPECIAL TOPICS IN HISTORY

Special courses on various historical topics to be developed by current faculty and visiting scholars.

Pre-requisite: None

HSTB410/420 SENIOR WRITING SEMINAR I / II

These are capstone courses, to be taken in sequence, designed to help majors pursue an

individual research project under the supervision of a faculty of the History Department. The purpose of course meetings is to give the students a chance to learn the mechanics and methods of senior research and to share with classmates the work process and experience, excitement and frustration in historical writing and research. The courses, which aim to enhance the seniors' critical thinking, oral skills and capability of examining and interpreting historic events, will explore the methods of collecting, sorting, and analyzing source materials and collectively deal with common problems rising from research. The end result of their research will be a 25-50-page essay based on primary sources and presented to the public. The seniors in the class will also need to prepare a Portfolio that summarizes their college experience as a History Major.

Pre-requisites: HSTB113 and fourth-year status

HSTB411 INTERNSHIP

This Internship Course allows the history senior to gain some working experience in areas related to history study. It requires a minimum of 4 weekly working hours per semester at an approved host institution, corporation, agency, or organization for 3 credits required for graduation. The intern should write monthly report to his/her internship advisor and submit a final reflection report with the signature of the internship site director at the completion of the internship for assessment.

Pre-requisite: None

HSTB450 INDEPENDENT STUDIES

In this course individual students and instructors will work together to select a specific topic for intensive study.

Pre-requisite: Permission of the instructor

HSTB451 THE BRITISH EMPIRE AND THE WORLD

This course presents a history of the British Empire from the eighteenth to the twentieth century. The course examines the origins and development of British imperial expansion: how Britain set about establishing colonial societies in Asia, Africa and Australasia, as well as the mechanisms of control used by the British to bind the Empire together. Of particular concern will be the experiences of 'colonized' peoples and how their engagement with Empire ultimately fashioned new national identities and movements that bore the root of imperial decline after 1945.

Pre-requisite: None

HIST750 MACAO, CHINA AND WORLD HERITAGE

This course will introduce students to the concepts of world heritage with an emphasis on the culture and history of Macao and China and their places in world heritage. In this course students will survey the definition, meaning, history and characteristics of world heritage sites in Macao and China and acquire new skills that contribute to a better understanding of the importance of both tangible (monuments, historical centers, natural reserves, etc.) and intangible heritage (traditional know-how, music, literature, etc.). As part of this course students will participate in regular field trips to museums and world heritage sites in Macao, where they will gain first-hand experience seeing and appreciating Macao's colorful history and culture.

Pre-requisite: None.

HIST751 CULTURAL HISTORY OF MACAO IN MING AND QING DYNASTIES

In this course students will explore the fascinating and intriguing phenomenon in cultural history of Macao from the sixteenth century to the nineteenth century. Lectures and discussions will focus on the cases of cross-cultural exchanges between East and West in the making of a unique Macanese identity. Students will examine the multidimensional character and meanings of Macao's cultural, religious, culinary, gaming, and architectural heritage.

Pre-requisite: None.

HIST753 ARCHITECTURE AND HISTORY

Human experience is shaped by the built environment. This course introduces students to the

interrelated fields of architecture, art history, and engineering and explores great architectural monuments from the ancient to the modern period, from India across the Mediterranean and Europe to the US. The focus will be on understanding these works in their structure and function, both as products of individual ingenuity and reflections of Zeitgeist. Questioning these monuments from a present-day perspective across the cultures will be an important ingredient, as will be podium discussions, guest lectures, excursions, and all kinds of visualizations, from digital walk-throughs to practical design exercises.

Pre-requisite: None.

HIST754 BUDDHIST SCULPTURES AND PAINTINGS

This course will offer interpretation of foundational Buddhist scriptures and paintings in their historical, literary, and philosophical contexts to trace the development of Indian Buddhism as well as its process of cultural accommodations in East Asia.

Pre-requisite: None.

HIST755 U.S. DIPLOMATIC HISTORY SINCE 1900

This course is to study U.S. diplomatic history for the past 100 years in general and to delve into a number of major or controversial issues in international relations in particular, including the issues of imperialism and nationalism, interventionism and non-interventionism, war and peace negotiation, politics of power and new international forces, globalization and terrorism, etc. It will examine the American perceptions of world issues and the evolution of the American strategic designs for national and international security within the global context as well as its impact on the world. It will also look at the influences of ideological, economical, and international settings and elements as well as domestic politics on the foreign policy makings of the US. The course is quite demanding since it will have quiz every week and requires your active participation in class discussion.

Pre-requisite: None.

HIST756 DIASPORAS IN SOUTH OF CHINA

This course examines the West-East interactions through tracing the historical activities and influences of Western Diasporas who came to South of China, including Macao and Hong Kong, to see how they dealt with migration, ethnicity, displacement, identity, mobility, community development, and cultural and mental challenges, as well as how they impacted the region and their homelands.

Pre-requisite: None.

HIST757 LATE IMPERIAL CHINA

This course covers the Ming and Qing Dynasties, roughly the fifteenth through nineteenth centuries. We will focus on the interplay between inner Asian "barbarians" and the Chinese, as well as on the economic and political flourishing of the 18th century before turning to the turmoil of the Opium War and Taiping Rebellion eras between 1839 and 1865. We will also examine the difficulties that China faced in reform and modernization in the face of Western and Japanese imperialism at the end of the 19th century. We end with the Boxer Uprising and 1911 Revolution, which brought an end to China's last imperial dynasty.

Pre-requisite: Three Chinese History courses or permission of instructor

HIST758 PIRATES IN WORLD HISTORY

This course will explore the myths and realities of piracy across the globe and throughout history. After first looking at a number of myths about pirates from movies, novels, and comics, we will then examine the nature and varying definitions of piracy, seeking to differentiate piracy from privateering and other forms of maritime violence. We will also discuss lifestyles and gender issues as they relate to pirates, as well as the impact of piracy on the economy and on state-building. Other themes include the comparison and contrast of piracy in different regional and temporal contexts.

Pre-requisite: None.

HIST759 CULTURAL HISTORY OF MACAO FROM THE EARLY REPUBLIC OF CHINA

This course will study cultural history of Macao within its nexus with mainland China that went through an enormous political and social transformation since the 1911 Revolution. It will explore certain cultural phenomenon of Macao in depth with a focus on the way that Macao tried to maintain its identity in response to the external impact. Students shall seek the cultural implications of Macao's historical development and the interactive movement between the tradition and the new, the foreign and the Macanese, as well as the cultural presentation and rebirth of a modern Macao.

Pre-requisite: None.

HIST762 LAW AND SOCIETY IN LATE IMPERIAL CHINA

This course is a survey of Chinese legal history that focuses on late imperial law and society in the Ming and Qing dynasties. The course will deal with the development of the Chinese legal tradition in the context of Confucian, Legalist and Taoist philosophy. Emphasis will be on the "Confucianization" of law. The Confucian legal tradition is at the core of the legal cultures not only of China, but also of Japan, Korea, and much of Southeast Asia. In this course we will examine the ways in which a legal system creates and reflects a society's structures and values in a mutually interactive process. Readings are drawn from Chinese codes, cases, and "detective novels."

Pre-requisite: None.

HIST763 SOCIAL AND CULTURAL HISTORY OF SOUTH CHINA

This course closely examines the social and cultural history of South China from ancient times to the 20th century, with an emphasis on Guangdong, Fujian, and Taiwan during the 16th through 19th centuries. Topics include class formation and changes over the past millennia; Confucianization of South China; demographic changes; village and lineage; growth of commercial and marketing networks; gender relations; bandits, pirates, and secret societies; popular movements, riots, and rebellions; and the impact of modern reforms on local society and culture.

Pre-requisite: Three Chinese History courses or permission of instructor

HIST764 INDIAN, CHINESE, AND JAPANESE RELIGIONS

This course will introduce students to the religious concepts and classic texts of Confucianism, Taoism, Buddhism, and Shinto in China and Japan as well as their relation to society and politics in history, including role models and paradigms for self-transformation; alchemy and meditation.

Pre-requisite: History of East Asia, History of Modern South East Asia, or permission of instructor

HIST765 BUDDHIST ART: THEORY AND HISTORY

A detailed presentation of Buddhist theories and practice methodologies that resulted in the various schools of Buddhist art.

Pre-requisite: Art History of Ancient China, Art History of Modern China, Chinese Painting and Calligraphy or permission of instructor

HIST766 ASIAN CULTURE

This is an upper level course on the selected topics related to the cultural features and developments of ancient Asia from the Classical period to early modern times. It will challenge students' established mindset by introducing them to the complexities of various teachings of Hinduism, Buddhism, Confucianism, Taoism, and Shinto, and exposing them to the "alien" values and cultures of the Asian world as reflected in its religions, literature, films, and arts. The course will examine the main characteristics of selected Chinese and Japanese paintings and arts as well as the religious influences on them. It will help students appreciate the nuance of Asian literature and arts within a historical, social and cultural context, and to trace the intertwined flux of religious thoughts, individual sentiments, and artistic expressions.

Pre-requisite: Permission of instructor

HIST767 FAMILY AND GENDER IN ASIAN HISTORY

This course will provide an overview of continuities and discontinuities of the family pattern and the gender role in Asian nations, mainly China and Japan, from the pre-modern time to the present, especially during the periods of great social transformation. It will, through analyzing historical events and personal and family stories as displayed in scholarly and fictional writings and films, trace the feminist movements and major developments of gender consciousness and relationships and the family structure in Asian history. It will fully explore the way in which class, society, and history create different life possibilities for women and in turn, how the changing gender relations and family pattern affected society, history, and individuals.

Pre-requisite: Modern Chinese History, Modern Japanese History, History of East Asia or permission of instructor

HIST768 EAST-WEST INTERACTIONS AND EXCHANGES

This course examines the complex nature of the relationships and encounters between the imaginary and the real 'East' and 'West', in the present and recent past. It explores the interactions among cultural, social, economic and religious aspects of international affairs, particularly the changes at the cultural and religious levels which have subtly altered the international relationships of the East-West. It will also re-examine the concept of interactions and exchanges both within and beyond traditional theoretical mappings such as post colonialism and post-modernism. Its focus is primarily upon the interactions between 'East Asia' and 'the West' over the past three hundred years and the art and religious world with awareness of cultural fluidity.

Pre-requisite: Permission of instructor

HIST769 SINO-INDIAN-SOUTHEAST ASIAN INTERACTIONS IN EARLY MODERN ASIA

This is an in-depth study of the political, economic, social, interactions between China, Southeast Asia, and India from the 16th century to the present. The course is purposely intended to bring out the pan-Asian encounters, which means Europeans and other westerners will be given only marginal coverage in the discussions. We will recount the many Chinese migrations to Southeast Asia, the trade and tribute interactions between the regions and the social, cultural, political and criminal exchanges and encounters that resulted. We will also try to retrace different ethnic groups as they migrate and interact between these regions inside Asia. Special attention will be paid to the cultural diversities of ethnic groups and reasons behind their migrations, exchanges and encounters.

Pre-requisite: Permission of instructor

HIST771 SECRET SOCIETIES AND POPULAR MOVEMENTS IN MODERN CHINA

This course examines the social and cultural history of secret societies and popular movements in modern China, roughly from 1750 to 1949. The topics we will discuss include banditry, piracy, sworn brotherhoods, secret societies, and religious sects. Students are required to do weekly readings and make oral presentations, as well as write one book report, an annotated bibliography, and a research paper.

Pre-requisite: None

HIST772 HISTORIOGRAPHY OF SOUTHEAST ASIA

This course is a graduate seminar on Southeast Asian history. Its aim is to survey a selection of major works published on selected topics in Southeast Asian history since approximately 1960, and in doing so, to assess the changing structure of the field. Topics to be examined will include but not limited to religion and belief systems, trade, the nature of politics, family and gender, and colonialism and post-colonialism.

Pre-requisite: None

HIST773 STUDIES IN IMPERIALISM I

This course provides students with an understanding of key developments that contributed to the rise of imperialism among European nations during the long nineteenth century. Students will be introduced to some of the most important thinkers and concepts in the writing of imperial

history in order to explain how European imperialism stimulated economic growth and modernization in some colonies but severely hindered development in others. Throughout the course students will be encouraged to examine the work of contemporary theorists and scholars of Empire such as J.R. Seeley, J.A. Hobson and John Stuart Mill and how their writings have been interpreted and critiqued by modern-day imperial historians such as John Gallagher and Ronald Robinson, P.J. Cain and Anthony Hopkins and C.A. Bayly.

Pre-requisite: None

HIST774 STUDIES IN IMPERIALISM II

This course provides students with an introduction to some the principal challenges and difficulties faced by European imperial powers during the 20th century. Students will have the opportunity to examine the impact of the First and Second World War as well as the rise of protest/nationalist movements on imperial structures in considering the factors leading to decolonization later in the century. In addition, students will be introduced to some of most significant twentieth-century writers on colonialism, anti-colonialism and postcolonial theory, including the works of Franz Fanon, Edward Said and Gayatri Charakravorty Spivak. Through an engagement with historical and literary texts, students will consider the degree to which many imperial structures survived formal processes of decolonization and continue to shape the world in which we live in today.

Pre-requisite: None

HIST775 WESTERN DIASPORAS IN ASIA

This course examines the West-East interactions through tracing the historical activities and phenomena of Western Diasporas who came to Asia, to see how they dealt with migration, ethnicity, displacement, identity, mobility, community development, and cultural and mental challenges, as well as how they impacted the region and their homelands.

Pre-requisite: Permission of instructor

HIST776 HISTORY AND ANTHROPOLOGY

Critical inquiry into historical representations of the “other” and ways in which historians have used notions of culture and other anthropological concepts to write and think about history. Students will learn about the uses and values of oral and ethnographic history through lectures, discussions, and fieldwork in Macao and China.

Pre-requisite: Permission of instructor

HIST780 ADVANCED HISTORICAL THEORY AND PRACTICE

This course is required for all incoming M.A. students in History. It seeks to introduce students to the varieties of historical theories and research methods. Students will investigate theoretical models and intellectual traditions, which will be presented in terms of a series of debates between competing visions and interpretive perspectives. Guest speakers from within and without the University of Macau will be an important ongoing part of the course. Students will write several papers on scholarship, theoretical models, historiographical conventions, and so on. This course is designed to prepare graduate students for the more advanced Reading and Writing Seminars.

Pre-requisite: Historical Theory and Practice or the equivalent

HIST781 ADVANCED READING SEMINAR

This is an advanced graduate-level course on a specific topic in the areas of Chinese, Asian, Western, or Comparative/World History. The course involves an in-depth analysis of primary sources and an evaluation of the secondary literature on the topic of the seminar. The focus of this course will be on the development of a bibliography and the reading and discussion of the secondary literature on specific assigned topics.

Pre-requisite: Advanced Historical Theory and Practice or permission of the instructor

HIST782 ADVANCED WRITING SEMINAR

This is an advanced graduate-level course that follows-up on the Reading Seminar. It will focus

on a specific topic in Chinese, Asian, Western, or Comparative/World History. Students will have to write an extensive research paper based on primary sources. As a Pre-requisite students will have to have taken the corresponding Reading Seminar
Pre-requisite: Advanced Reading Seminar or permission of the instructor

HIST783-792 SPECIAL TOPICAL COURSES IN HISTORY

There are special topical courses taught by visiting scholars or experimentally by FSS faculty.
Pre-requisite: None

HIST802 ADVANCED SPECIAL TOPICS IN HISTORY

The course seeks to involve doctoral students of history with a range of historical topics. Students will read important works done by influential historians, and engage in scholarly debates pertaining relevant topics in Chinese history. Students will also engage in scholarship of academic writing in history and in preparation of their dissertation writing.
Pre-requisite: None

HIST861 ADVANCED READING/HISTORIOGRAPHY SEMINAR

This is a joint course for PhD students, which allows MA students to enroll in as well but they will get substantially less course assignments and subject to much lower academic requirement in terms of volumes of readings and length and depth of their writing and analysis. All PhD students will have to take qualifying exam in the area this course covered in addition to passing this course. In this course, students will learn about the historiography of the traditional and modern West, mainly Western historians' approaches to and methods in studying the human past, so that they would be equipped with the updated historiography and enabled to find a good topic and appropriate research method for their master and doctoral thesis, while well prepared for the sequent course for advanced writing in the next semester. Another objective of this course is to let students get familiar with the first-class research and the existing literature in the field of modern Chinese history, to see how the approach of a historian could fundamentally affect his/her research and writing.
Pre-requisite: None

IRPA701 PUBLIC ADMINISTRATION: THEORY AND PRACTICE

This course begins with a brief review of the development in public administration theories and provides a comprehensive coverage of relevant theories and concepts including: organizational management, personnel systems, public policy and finance, performance assessment, ethics, civil service reforms, and public sector development. The course examines the actual applications of the theories and concepts in Macao, Hong Kong and other governments and encourages students to analyze their effects and consequences. Emphasis will be placed on studying East Asia summits, international forums, and Asia-Europe meetings.
Pre-requisite: None

IRPA702 PUBLIC POLICY ANALYSIS: THEORY AND PRACTICE

This course introduces the methods of public policy analysis by reviewing the main theoretical approaches in the field and examining key policy issues in Macao, Hong Kong and the mainland. The course has three main components: First, basic concepts in the analysis of the policy-making process and the political and institutional contexts of policy making; Second, the major theoretical approaches to the study of policy making, policy implementation and evaluation. Finally, important policy issues, such as public consultation, social justice and social harmony, in Macao, Hong Kong and the mainland will be illustrated as case studies.
Pre-requisite: None

IRPA703 SEMINARS ON POLITICAL SCIENCE

This course introduces students to the political ideas, concepts, theories, models, and approaches to the study of political practice in the real world. It explains the essence of politics in the determination of resources allocation and in the distribution of benefits. Students will acquire the skills to relate to the real world of politics by employing the analytical concepts and

theories gained from the course to study the interactions among informal participants, formal decision-makers, and institutions. In addition, the course also sensitizes students to the impact of globalization and the international environment in which national political systems or nation-states interact. Emphasis will be placed on issues related to public consultation, democratic development, social harmony and conflict management.

Pre-requisite: None

IRPA704 SEMINARS ON INTERNATIONAL RELATIONS

This course examines theories and approaches in the study of international relations, such as realism and neo-realism, classical liberalism, transnationalism, constructivism, Marxism and neo-Marxist, etc. Detailed analysis of current and historical events will be presented to enhance students' understanding of relevant concepts. Students are required to present their own critical analysis of selected cases to demonstrate their understanding and ability.

Pre-requisite: None

IRPA705 SEMINARS ON CONTEMPORARY POLITICAL THEORY

This course covers the main positions in contemporary political theory – liberalism, communitarianism, multiculturalism, deliberative democracy and feminism. Going beyond the various labels and isms, it addresses specific theorists and theories in some details. Students will learn to appreciate the critics of liberalism—its failure to take seriously the importance of community, cultural membership and democracy as well as its inability as a distributive paradigm for eliminating the oppression of women.

(Pre-requisite: Introduction to Contemporary Political Theory of the undergraduate programme)

Pre-requisite: None

IRPA706 SEMINARS ON INTERNATIONAL POLITICAL ECONOMY

This course examines the political process of international economy, and the interaction between state and market, and power and wealth in international relations. Issues on trade, investment, development, globalization and regional integration will be examined in details. Different schools of thought and approaches will be explained. Regional cases, especially the implications of the rising China, will be examined. Students are required to present critical analysis to demonstrate their understanding and ability.

Pre-requisite: None

IRPA707 INTERNATIONAL ORGANIZATIONS AND GLOBAL GOVERNANCE

The course will examine the central issues of global governance today. In particular, the issues of the protection of environment and global warming, global security, global financial and trade regulation, humanitarian and developmental aid. The role and impact of the major international organizations such as the UN, IMF, World Bank, WTO will be examined in this context. Emphasis will be placed on examining negotiation skills, the role of negotiators and representation, and Macao as a bridge between China and Europe. In addition, the impact of regional organizations such as the EU and ASEAN will be discussed. The challenges and opportunities that face these international organizations in the continuing globalization of politics and economy will also be addressed.

Pre-requisite: None

IRPA708 INTERNATIONAL LAW

This course introduces and examines key theories and approaches in the study of international relations, including realism and neo-realism; theories about war, security and the use of force in international relations; classical liberalism, globalization, and transformation in world politics; theories about inter-state co-operation and transnationalism; the concept of international society; constructivism and the impact of law and norms in international relations; neo-Marxist and critical theoretical approaches to international relations; and normative theory and international ethics.

Pre-requisite: None

IRPA709 CONSTITUTIONAL LAW

This is an introductory course to familiarize the students with the inception of constitutional movements and the specific goals of having a constitution on the one hand and constitutional theories and practices on the other. The contents and classifications will be briefly surveyed. Of pivotal importance is the mechanisms of its working in a society; therefore, constitutional tribunals and its like, such as the ordinary reviewing courts, will be closely examined.

Pre-requisite: None

IRPA710 ADMINISTRATIVE LAW

This is a survey course on the structure and operation of public administration and the body of norms that govern it (constitution and the laws) as well as those emanated therefrom (such as regulations, orders, and directions, etc.). It further examines the nature of administrative act and the principles of its legality and rationality. Finally, the remedies for administrative actions will be analyzed.

Pre-requisite: None

IRPA711 PUBLIC FINANCE: THEORY AND PRACTICE

This course examines theories of public finance from the perspectives of resources allocation, re-distribution of income and wealth, and economic stability and growth, with an emphasis on the impact of budget decisions on social justice and social harmony. The course will begin with examining relevant theories and conclude by studying actual practices in Macao, Hong Kong, the mainland and other governments. Specific emphasis will be placed on the budgetary process, budget assessment, and budget reforms. This course will also examine the implications of monetary policy, such as interest rate, exchange rate and money supply, on public finance.

Pre-requisite: None

IRPA712 COMPARATIVE HUMAN RESOURCES MANAGEMENT

This course examines the policies and practices of human resources management in the public sector. Emphasis will be placed on comparing the differences between the private and public sectors. Specific topics include staffing, training and development, performance management, and staff relations. The course also considers recent human resources management developments in the public sector in the rest of China and overseas.

Pre-requisite: None

IRPA713 RESEARCH METHODS IN PUBLIC ADMINISTRATION

This course covers theories of research, the structure and process of scientific inquiry, modes of observation, research design, sampling methods, threats to validity and reliability, and data collection and analysis. Both quantitative and qualitative research methods will be covered in this course. In particular, methods for policy and programme evaluations will be examined in details with practical cases.

Pre-requisite: None

IRPA714 SEMINARS ON INTERNATIONAL RELATIONS

This course examines theories and approaches in the study of international relations, such as realism and neo-realism, classical liberalism, transnationalism, constructivism, Marxism and neo-Marxist, etc. Detailed analysis of current and historical events will be presented to enhance students' understanding of relevant concepts. Students are required to present their own critical analysis of selected cases to demonstrate their understanding and ability.

Pre-requisite: None

IRPA715 SEMINARS ON SELECTED TOPICS OF INTERNATIONAL RELATIONS

The seminars aim at ensuring that students gain adequate knowledge of the recent developments in international relations theory, recent international policies, and new policy initiatives and programmes. For example, topics may include recent developments in one or several theoretical approaches to international relations (constructivism or neoliberalism). In

addition, new international policies or initiatives of regional organizations or individual states may be examined, and their future development and impact discussed. Among possible topics are the EU initiatives in its relations with China, or Asia, or the new foreign policies of individual governments in the region (e.g. Australia).

Pre-requisite: None

IRPA716 SEMINARS ON SELECTED TOPICS OF PUBLIC MANAGEMENT

The seminars aim at ensuring that students gain adequate knowledge of recent developments in public management theory and practice. Emphasis will be placed on public decision making process, public consultation process and crisis management (e.g., SARS, bird flu, Asian Financial Crisis). Among the topics selected include new theoretical approaches to public management, and recent initiatives for civil service reform. In relation to the latter, special attention will be paid to the interest and prospective employment of our students. In consequence, recent innovations or reforms of public management in Macao, Hong Kong and the mainland will be discussed in some details.

Pre-requisite: None

MOSP701 INTRODUCTION TO MACAO STUDIES

This course will introduce to the students theory and methods of Macao studies. We will also cover the main areas of study including history, politics, economics, society, comparative literature, law, and education. It will be characterized by guest lectures from different disciplines, and it is an opportunity for students to get to know professors involved in Macao studies and consider whom they might ask to serve as their supervisors.

Pre-requisite: None

MOSP702 MACAO HISTORY

This course traces the history of Macao. Emphasis will be on the relations between the Chinese, Portuguese, and other powers in the early days of Portuguese settlement, the colonial history after the Opium Wars, and the contemporary history especially around the 12-3 Incident and around the return of Macao to China.

Pre-requisite: None

MOSP703 POLITICS AND ECONOMY IN MACAO

This course explores politics between China and Portugal as well as among the world powers after the Portuguese settled in Macao. The course will especially examine and evaluate the contemporary political system under the "one country, two systems" formula. In addition, the course will survey the history of Macao economy, and examine the contemporary economic development in Macao. How politics and economy interact with each other throughout history will be the focus of the course.

Pre-requisite: None

MOSP704 RESEARCH METHODS

Students will be required to take a research methods course in the discipline of his or her thesis.

Pre-requisite: None

MOSP705 CULTURE, SOCIETY, AND EDUCATION IN MACAO

This course will examine the various aspects of Macao culture, including the aspects of the Chinese, Portuguese, and other cultures and religions. In addition, the course will examine various social issues like gender, race, class, deviance and crime, urban housing, traffic and transportation, air pollution, etc. We will emphasize civil society formation and a Macao identity formation. The role of education in promoting a Macaoan identity will be explored throughout the course.

Pre-requisite: None

MOSP706 MACAOLGY: CROSS-CULTURAL AND THEORETICAL PERSPECTIVES

This course is designed to synthesize the local and global knowledge of intercultural and international exchanges. For example, what happens when different cultures come across one another; how do different cultures and civilizations clash and cooperate; to what extent are the current Macao socio-political and socio-economic systems, say the "one country, two systems" formula, related to the historical Macao, etc. Furthermore, is there a Macao model? If so, how do we describe it? What is the world-historical meaning of the Macao experience?

Pre-requisite: Macao History

MOSP707 LITERATURE AND THE ARTS IN MACAO

Macao has a rich history of literary tradition among the Chinese, Portuguese, Macanese, and English. Novels, short stories, poems, and other works of literature and the arts all vividly portray Macao's culture and society and define Macao's identity. This course will examine how different literary works portray Macao's socioeconomic life and help shape Macao's identity.

Pre-requisite: None

MOSP708 ISSUES IN MACAO LEGAL AND PUBLIC ADMINISTRATION SYSTEMS

We will survey the development of the Macao Law throughout history. For example, what is the relationship between the Basic Law now and the Portuguese Law before it? What is the relationship between the political, economic, social, and cultural systems and the legal systems? How well does the Basic Law serve Macao, and how better can it do so? We will especially examine the relationship between Macao law and the public administration system. This course shares little overlap with the Macao History course.

Pre-requisite: None

MOSP709 MACAO IN THE CHINESE AND GLOBAL PERSPECTIVES

This course examines the development of Macao in the international development of capitalism characterized by mercantile capitalism, colonialism, socialism, post-colonialism, and globalization. It will examine how the Chinese in Macao and the Chinese governments during the Ming, Qing, the ROC and PRC eras have responded to the various kinds of global influence. Macao's relationship with the mainland and other powers in the world will be one of the major themes to examine in this course.

Pre-requisite: Macao History

MOSP710 URBAN GEOGRAPHY OF MACAO

This course intends to cover the spatial aspects of Macao's rapid-pace development, including the built and natural environment over time as a result of human-land-maritime interactions and historical harborworks and the maritime/fishing interface. It will also deal with the current local and cross-border pollution, clean water supply, energy, problem of public transport, housing, population, urban planning (or lack of), parks, recreation/nature zones, beaches, effects of the new Hong Kong-Zhuhai-Macao bridge, expanded land reclamation, the unknown "Hengqin effect," etc. We will emphasize a historical-comparative understanding versus such other built environments-coastal cities as Singapore, Hong Kong, and Shanghai.

Pre-requisite: None

MOSP711 HISTORICAL HERITAGE OF MACAO

This course folds into post-colonial studies and cultural studies understandings. We will emphasize memory and remembering as part of this reflective trope. We will study monuments, museums, churches, temples, colonial buildings, industrial buildings, and other representations like street names and compare with such regional "heritage" managed cities as Penang, Malacca, Hoi An (Vietnam), Goa, etc.

Pre-requisite: None

MOSP712 AND MOSP713 SELECTED TOPICS I AND II

Each of these is a course that provides students with knowledge and/or skills that is or are related to a specific issue in Macao studies. It will be taught by an instructor with the special

knowledge and/or skills in that area of study.

Pre-requisite: None

MOSP714 SELECTED TOPICS IN MACAOLGY

This course examines the theoretical issues in developing Macaology as an academic discipline, such as paradigm development, building up common vocabulary and subjects of inquiry. It is also designed to integrate academic approaches of sociology, anthropology, global history and cross-cultural studies.

Pre-requisite: None

MOSP798 APPLIED THESIS

After such a comprehensive training in Macao studies, students should be able to pick a topic, formulate a research question, do the research, and write a thesis under the guidance of a professor. The thesis can be in either Macao history, politics, economics, sociology, education, law, or comparative literature of Macao. But it has to integrate the knowledge learned in the programme. It can also be in the form of an applied project, a policy paper, etc. And it can be in either Chinese, English, or Portuguese, depending on the language used by the student and supervisor. (The Portuguese option for the thesis is available for students who feel more comfortable using Portuguese. Students have to obtain their supervisors' or professors' consent and this option is not open for regular course work.)

Pre-requisites: compulsory courses

MOSP799 ACADEMIC THESIS

The thesis can be in either Macao history, politics, economics, sociology, education, law, or comparative literature of Macao. But it has to integrate the knowledge learned in the programme. It has to demonstrate that the student is well-prepared for PhD studies. And it can be in either Chinese, English, or Portuguese, depending on the language used by the student and supervisor. (The Portuguese option for the thesis is available for students who feel more comfortable using Portuguese. Students have to obtain their supervisors' or professors' consent and this option is not open for regular course work.)

Pre-requisites: compulsory courses and Macaology

PADM701 PUBLIC ADMINISTRATION: THEORY AND PRACTICE

This course provides an introduction to the theories of public administration in the modern state. Moreover, theories are discussed and supported with reference to relevant ideas and actual practical cases.

Pre-requisite: None

PADM702 PUBLIC POLICY ANALYSIS

This course introduces the methods of public policy analysis by reviewing the main theoretical approaches in the field and examining key policy issues in Macao, Hong Kong and mainland China. The course has three main components: First, basic concepts in the analysis of the policy-making process and the political and institutional contexts of policy making. Second, the major theoretical approaches to the study of policy making, policy implementation and evaluation. Finally, several important policy issues in Macao, Hong Kong and mainland China will be illustrated as case studies.

Pre-requisite: None

PADM703 PUBLIC FINANCE

This course examines the nature, processes, causes and effects of public budgeting as a fiscal instrument to enhance economic growth, as a mechanism for the allocation of scarce resources, and as a management tool for executive planning and financial control.

Pre-requisite: None

PADM704 HUMAN RESOURCES MANAGEMENT

This course examines the policies and practices of human resources management in the public

sector from a comparative perspective. Specific topics include staffing, training and development, performance management, and staff relations. The course also considers recent human resources management developments in the public sector in the rest of China and overseas.

Pre-requisite: None

PADM705 PUBLIC POLICY IN CHINA

This course focuses on the public policy-making system in mainland China and includes an examination of policy making in specific sectors, such as industry, agriculture and the open-door policy.

Pre-requisite: None

PADM707 PUBLIC ADMINISTRATION IN CONTEMPORARY CHINA

This course examines the context of public administration in contemporary China: party and state institutions, central and local relations, the role of the state in the economy, and state and society relations.

Pre-requisite: None

PADM708 ORGANIZATIONAL BEHAVIOR

This course focuses on the nature, types and characteristics of organizations as well as the tools and skills used in management. Emphasis is placed on problem solving. Topics include organizational structure and design, control and distortions, bureaucratic corruption, administrative leadership, motivation and work behavior, decision-making and resource management.

Pre-requisite: None

PADM709 POLITICAL ECONOMY

This course surveys the objectives pursued by government in managing the economy, the means employed in pursuit of those objectives, and theories concerning economic behavior of governments.

Pre-requisite: None

PADM710 RESEARCH METHODS IN PUBLIC ADMINISTRATION

This course covers theories of research, the structure and process of scientific inquiries, modes of observation and data analysis, and basic statistics, which can apply to public administration.

Pre-requisite: None

PADM711 CONSTITUTIONAL LAW

This is an introductory course to familiarize the students with the inception of constitutional movements and the specific goals of having a constitution on the one hand and constitutional theories and practices on the other. The contents and classifications will be briefly surveyed. Of pivotal importance is the mechanisms of its working in a society; therefore, constitutional tribunals and its like, such as the ordinary reviewing courts, will be closely examined.

Pre-requisite: None

PADM712 ADMINISTRATIVE LAW

This is a survey course on the structure and operation of public administration and the body of norms that govern it (constitution and the laws) as well as those emanated therefrom (such as regulations, orders, and directions, etc.) It further examines the nature of administrative act and the principles of its legality and rationality. Finally, the remedies for administrative actions will be analyzed.

Pre-requisite: None

PADM713 DECISION MAKING: THEORY AND PRACTICE

As a foundational course in the MPA curriculum, this course will focus on theoretical and

empirical analysis of decision making. The goals of the course are to introduce a variety of accepted theories in understanding decision making. The course seeks to help students familiarize themselves with decision making within organizations and collective choices with conflicting interests, as well as coordination and institutional solutions to problems related to collective choices. To help students think analytically about the ways decisions are made within organizations in the political, economic and security arena. The knowledge gained will be applied to several real-life cases in American foreign and security policies. Comparison will be made between America and China.

Pre-requisite: None

PADM714 RESEARCH DESIGN

This course aims to improve students' ability to design feasible and theoretically sound research projects. The course will introduce a variety of research designs for social sciences, from the commonly used approaches, such as survey, focus group, and case study, to the multidisciplinary approach of operations research, such as game theory and simulation. Heavier emphasis will be placed on the commonly used approaches. This course emphasizes improving the ability to find good solutions to research design problems, rather than introducing different research methods. Students enrolling in this course are required to have taken at least an introductory research method course at either graduate or undergraduate level.

Pre-requisite: Introductory Research Method Course

PADM803 SELECTED TOPICS IN PUBLIC ADMINISTRATION

In this course, students will engage with high-level readings of primary sources for exploration of various topics related to the public administration. Exploration of topics is annually determined and involves issues not covered by the standard curriculum but of interest to faculty and students in a particular semester.

Pre-requisite: None

POLI804 SEMINAR ON SELECTED TOPICS ON INTERNATIONAL RELATIONS

This course will be designed according to students' specific areas of research interest. Students will be required to get familiar with and have an in-depth understanding of the existing literature and research achievements in the field. Students will then be asked to explore the feasibility to make new scholarly contribution in the field of their particular interest.

Pre-requisite: None

PSYB111 INTRODUCTION TO PSYCHOLOGY

This is a foundation course offering an introductory survey of the various areas of psychology from the perspective of psychology as the scientific study of behaviour. The course explores the major theories, methods, and research findings in such topics as personality, life-span development, social relations, as well as the biological bases of behaviour. The focus will be on relationship between research results and their applications to daily life.

Pre-requisite: None

PSYB112 PSYCHOLOGY STATISTICS

This course provides the fundamental skills and knowledge needed to understand and use statistical procedures in basic psychological research. Topics cover basic descriptive and inferential statistics, including measures of central tendency and variability, probability, sampling, the normal distribution, hypothesis testing and statistical power, t-tests for means, analysis of variance, correlation and simple linear regression. Activities will include the use of statistical software packages to explore data and conduct an analysis.

Pre-requisite: None

PSYB121 DEVELOPMENTAL PSYCHOLOGY

In this course, students examine theories of human development across the life cycle of the individual from birth to death, in different domains including physical, cognitive, and social and

personality. Research methods for studying developmental processes, as well as various issues related to the processes and challenges of developmental transitions in different life periods within a local context are discussed.

Pre-requisite: None

PSYB122 SENSATION AND PERCEPTION

In this course, students will study the sensory process in acquiring information and how the information is understood and interpreted in our brains resulting in various perceptual experiences. Various sensory systems will be introduced with a primary emphasis on the visual system.

Pre-requisite: None

PSYB150 PERSONAL AND SOCIAL COMPETENCE

This course is an overview of psychological knowledge applied to personal and social competence. The course emphasizes personal competence including psychology of success, self-growth, self-esteem, self-actualisation, learning competence, emotional competence, practical intelligence, and creativity. The course also covers social competence including general social skills such as persuasion, leadership skills, conflict resolution, and maintenance of close relationships.

Pre-requisite: None

PSYB211 LEARNING AND COGNITION

This course introduces the theoretical and empirical research of learning and thinking. The course covers the fundamental concepts and theories of learning and conditioning, and levels of cognitive processes of how we perceive, attend, learn, remember (or forget), think, reason, decide, solve problem and so forth.

Pre-requisite: None

PSYB212 SOCIAL PSYCHOLOGY

This course examines how people think, feel, and behave when they are in the actual or imagined presence of others. The course covers classical and contemporary topics in social psychology, including perceptions of the self in relation to others, attitudes, social cognition, and the interpersonal dynamics of social behaviours, such as attraction, persuasion, and conformity. Instruction may also include the application of social principles and research to various settings.

Pre-requisite: None

PSYB221 PERSONALITY PSYCHOLOGY

In this course, students encounter the major theories and theorists that historically shaped the psychological understanding of personality. The focus is on different questions, units of analysis, assumptions about causes of behaviour, and approaches to personality change proposed by theories of personality. Students engage in examining the underlying assumptions, conceptual issues, and motivation of human behaviour based on contemporary research regarding human nature and personality.

Pre-requisite: Introduction to Psychology

PSYB222 PSYCHOLOGY OF TESTING

This course is a survey of psychological testing through an overview of measurement principles, the psychological assessment process, test construction and development, reliability and validity, and the use of test results in individual psychological evaluation. Examples relevant to clinical psychology (e.g., personality, mental disorders) and school psychology (e.g., ability, aptitude, learning, etc.) are given.

Pre-requisites: Introduction to Psychology, Psychology Statistics

PSYB250 CLOSE RELATIONSHIPS

Close relationships are central to our lives; friends, parents, siblings, romantic partners, social networks, and acquaintances, have an enormous influence on our thoughts, feelings and

behavior. The purpose of this course is to help students understand the processes that regulate human social relationships, through the lens of psychological method. It will include an overview of the social-psychological theories of relationships research and an exploration of the current literature. Specifically, this course will focus on topics such as: our need for relationships, interpersonal attraction, intimacy, love, attachment, communication, relationship maintenance, sexuality, relationship trajectories, relationship dissolution, jealousy, and extra-dyadic relationships.

Pre-requisite: None

PSYB311 ABNORMAL PSYCHOLOGY

Abnormal Psychology introduces students to the scientific study of psychological disorders and dysfunctional behaviour. While the course surveys a broad selection of disorders, it focuses on the contributing factors, clinical presentation, and treatment implications of these selected disorders. At the same time, students will explore how biological, psychological, social and multicultural dimensions interact to cause a particular disorder.

Pre-requisite: Introduction to Psychology

PSYB312 CROSS-CULTURAL PSYCHOLOGY

The course examines the relationship between individual psychological functioning and cultural contexts, both from a theoretical and practical/research point of view. The focus is on cross-cultural comparisons of behaviour, cognition, self, attribution, reasoning, decision making, communication, emotion, motivation, socialization, and more, with the aim of raising awareness and understanding of human commonality and diversity.

Pre-requisite: Social Psychology

PSYB321 PSYCHOLOGY OF GAMBLING AND ADDICTIVE BEHAVIOURS

The main objective of this course is to understand addictive behaviour and its paradoxes using fundamental psychological concepts and focusing on the psychological causes of pathological behaviours such as drug abuse, alcoholism, and irrational decision-making. Addictive behaviours are examined from different perspectives such as personality, social, and cognitive psychology, as well as the growing body of knowledge in the field, including assessment, treatment, and prevention strategies.

Pre-requisites: Personality Psychology, Social Psychology

PSYB322 RESEARCH METHODS

This course focuses on the nature of scientific inquiry and the methods used by psychologists to understand behaviour, with an emphasis on the quantitative approach and the application of basic statistics in actual research. It covers basic concepts and procedures such as reliability and validity in measurement, experimental designs, survey, data collection, and questionnaire construction. Activities are designed to foster analytical thinking, resulting in the ability to formulate research questions and plan a psychological research.

Pre-requisite: Psychology Statistics

PSYB350 BIOLOGICAL PSYCHOLOGY

This course focuses on introducing the fundamental principles of brain structures and their associated functions, and the biological basis of behaviour. Topics include anatomy and physiology of the nervous system, genetic influences on behaviour, the biological bases of emotional behaviour (e.g., anxiety & stress), and the study of psychological disorders (e.g., alcoholism, drug abuse, & depression).

Pre-requisite: None

PSYB351 COMMUNITY PSYCHOLOGY

The course provides advanced study in the research, theory and practice of community and social psychology applied to individuals, families, groups and social systems. The focus is on prevention and interventions in applied settings using primary, secondary and tertiary intervention approaches.

Pre-requisite: Majors and minors only year 3 and above

PSYB352 INTRODUCTION TO CLINICAL NEUROPSYCHOLOGY

The course focuses on the study of brain-behaviour relationships emphasizing neurobiological disorders, procedures for diagnosis, neuropsychological intervention and treatment planning, and professional practice issues in clinical neuropsychology from conception to adulthood.

Pre-requisite: Psychology of Testing

PSYB353 INTRODUCTION TO SCHOOL PSYCHOLOGY

The course introduces the study of professional issues and problems concerning the school psychologist, including certification and licensure requirements, confidentiality, legal and ethical issues, roles and responsibilities, and services in schools and other settings. The focus is on international service models and professional requirements.

Pre-requisite: Majors and minors only year 3 and above

PSYB354 PSYCHOLOGY OF LEADERSHIP

This course examines how leadership is defined and how views of leadership have changed over time. Psychological contributions to understanding leadership form the main basis of the course, including topics such as the types of power, personal characteristics, interpersonal interactions, hierarchical relationships, and others. Readings and discussions address the question of how people become leaders, how environmental circumstances can encourage or inhibit potential leaders, and the various personal qualities needed to be a successful leader.

Pre-requisites: Introduction to Psychology, Social Psychology

PSYB355 QUALITATIVE RESEARCH METHODS

This course focuses on qualitative designs for psychology research. Topics include qualitative approaches such as case study, narrative inquiry, discourse analysis, and auto-ethnography, as well as mixed models. The course also focuses on a number of issues related to the philosophy of science, and ethics and interviewing skills appropriate for collecting data. At the end of the course, students should be able to engage critically with the paradigm both from a theoretical and practical perspective.

Pre-requisite: Psychology Statistics; Research Methods

PSYB356 SELECTED TOPICS I

Intensive focus concerning a selected topic of contemporary interest in psychology forms the basis for this course. The course can also include extensive fieldwork experience and may require additional hours of practical work at a selected site in the local community. Topics change with the interests and speciality of the faculty and the content varies from semester to semester. The instructor will select a topic or area of interest for discussion based on current developments in psychology and her or his expertise.

Pre-requisite: Majors only year 3 and above

PSYB357 SELECTED TOPICS II

Intensive focus is given to a selected topic of contemporary interest in psychology. The course can also include extensive fieldwork experience and may require additional hours of practical work at a selected site in the local community. Topics change with the interests and speciality of the faculty and the content varies from semester to semester. The instructor will select a topic or area of interest for discussion based on current developments in psychology and her or his expertise.

Pre-requisite: Majors only year 3 and above

PSYB358 CONSUMER PSYCHOLOGY

This course explores how consumer think, feel and act. We will focus on applying theories in social psychology, cognitive psychology and assessment in consumer decision making processes. Topics include attitude formation and change, consumer information processing, decision processes, assessment of cultural and individual differences etc.

Pre-requisite: Introduction to Psychology

PSYB411 SENIOR THESIS RESEARCH I

Senior Thesis I and II is a two-semester course in which students conduct independent psychological research on a topic of their interest, from designing a research project and conceptualising a research proposal (Semester 1) to writing the thesis report (Semester 2). The course is a capstone module in which previous learning in different sub-areas of psychology is integrated, and the course concludes with a symposium for the public dissemination of knowledge. It engages the student in practical experience conducting psychological research from the proposal to writing up the thesis. In this course, a literature review, the research proposal, data collection, and writing up the thesis are discussed. Each student is supervised by an individual faculty member through either group consultation (class work) and/or individual consultation.

Pre-requisites: Psychology Statistics, Research Methods

PSYB412 SYSTEMS AND THEORIES IN PSYCHOLOGY

This course focuses on an integration of all fields of psychology and tracing the historical development of ideas that have contributed to the field of psychology. Students explore the roots of modern psychological thought from their origins in philosophy and the natural sciences, through the early schools and systems (e.g., Functionalism, Structuralism, Gestalt, etc.), to the current views of psychology. In addition to the major schools, the lives and work of the men and women whose ideas created the foundation of psychology are discussed.

Pre-requisites: Introduction to Psychology, Developmental Psychology, Learning and Cognition, Social Psychology, Personality Psychology

PSYB421 SENIOR THESIS RESEARCH II

A continuation of Senior Thesis Research I

Pre-requisite: Senior Thesis Research I

PSYB450 INTRODUCTION TO CLINICAL AND COUNSELLING PSYCHOLOGY

This course introduces students to the specialization of clinical and counselling psychology. It covers the basic theoretical assumptions when understanding and treating pathological behaviours; spectrum of subfields and their prospects; and paradigms and implications in clinical and counselling psychology as a profession.

Pre-requisites: Developmental Psychology, Personality Psychology

PSYB451 MULTIVARITE STATISTICS FOR PSYCHOLOGY

This course focuses on multivariate statistical procedures necessary for addressing complex research questions. Topics covered relate to contemporary trends in data analysis with state-of-the-art psychology research, which may include exploratory and confirmatory factor analysis, moderator and mediators in multiple regression, and a basic understanding of structural equation modelling. Activities will include the use of statistical software packages to conduct the advanced analysis.

Pre-requisite: Psychology Statistics

PSYB452 ORGANIZATIONAL PSYCHOLOGY

This course examines human behavior in organizations based on classical organizational theory and contemporary empirical research at the micro (individual, interpersonal, and group) and macro (organizational/environmental) levels. Theoretical bases include the principles of scientific management, the human relations movement, and organizations as systems. Empirical and applied foci will be on traditional organizational psychology topics, such as motivation, groups as teams, leadership, decision-making, and organizational socialization, as well as organizational analysis and change.

Pre-requisites: Introduction to Psychology, Social Psychology

PSYB453 FIELD EXPERIENCE I

This course includes supervised field work/internship experiences in different work settings or counseling settings pertinent to formal academic training in applied psychology or counselling psychology. Students' performance in the Field Experience will be evaluated by the individual supervising faculty member and students' immediate supervisor in the work settings. In addition to learning how to apply psychological concepts with clinical populations, the field experience course provides students the opportunity to conduct supervised applied field research, to apply their analytic skills toward investigating ways to evaluate community health programmes and gather data to improve local services.

Pre-requisite: None

PSYB454 FIELD EXPERIENCE II

This course includes supervised field work/internship experiences in different work settings or counseling settings pertinent to formal academic training in applied psychology or counselling psychology. Students' performance in the Field Experience will be evaluated by the individual supervising faculty member and students' immediate supervisor in the work settings. In addition to learning how to apply psychological concepts with clinical populations, the field experience course provides students the opportunity to conduct supervised applied field research, to apply their analytic skills toward investigating ways to evaluate community health programmes and gather data to improve local services.

Pre-requisite: None

PSYB455 GLOBAL MENTAL HEALTH

Global mental health is an emerging transdisciplinary scientific field. It utilizes approaches from multiple fields including psychology, anthropology, sociology, medicine, public health and epidemiology. Students in this course will explore 1) public health and global health approaches to the treatment and prevention of ill mental health, substance abuse and neurological disorders, 2) the role of culture in mental illness and its definitions, 3) epidemiological approaches to study and measure the prevalence and incidence of mental health globally, 4) public policy implications for ill mental health, and 5) mental health systems. Readings in the course will focus on peer-reviewed research literature. A particular emphasis will be placed on research and case examples from Asian country contexts (e.g., East and South East Asia), including Macao and Mainland China, so the course will have particular local and regional relevance to students.

Pre-requisite: None

PSYC701 PROFESSIONAL AND ETHICAL ISSUES IN CLINICAL PSYCHOLOGY

The course focuses on issues regarding professional and ethical practice, particularly as it applies in the practice of clinical psychology and counselling. Ethical issues with regard to case reports, legal procedures, and mental health care in a gambling and addiction dominated society, etc. will be discussed in seminar format in order to develop candidates' ethical acculturation in the field of psychology.

Pre-requisite: None

PSYC702 FIELD EXPERIENCE AND INTRAPERSONAL DEVELOPMENT

The course is an introductory field placement in the local system of mental health services. Candidates will develop familiarity with practical issues such as operational, ethical, social, legal and historical perspectives of mental health delivery system relevant at different placement sites. The minimum number of hours to document for this field placement is 120 hours. In this course, candidates will engage in an experiential forum for individual investigation regarding self-development, emotional mastery and professional dynamic self-awareness. The purpose is to promote intrapersonal clarity as a future practitioner in clinical psychology.

Pre-requisite: None

Taken concurrently with PSYC707

PSYC703 CLINICAL PRACTICUM AND SUPERVISION I

Clinical Practicum is a supervised field placement in an approved training site for clinical

practice and learning. Performances and professional development will be monitored and evaluated. The minimum number of hours to document for this field placement is 222 hours. Candidates will participate in weekly individual and/or group supervision as scheduled for case consultation and professional developmental.

Pre-requisites: PSYC701, PSYC707 and PSYC702

Taken concurrently with PSYC708

PSYC704 CLINICAL PRACTICUM AND SUPERVISION II

Clinical Practicum is a supervised field placement in an approved training site for clinical practice and learning. Performances and professional development will be monitored and evaluated. The minimum number of hours to document for this field placement is 222 hours. Candidates will participate in weekly individual and/or group supervision as scheduled for case consultation and professional developmental.

Pre-requisites: PSYC703, PSYC708, and PSYG702

PSYC705 CLINICAL PRACTICUM AND SUPERVISION III

Clinical Practicum is a supervised field placement in an approved training site for clinical practice and learning. Performances and professional development will be monitored and evaluated. The minimum number of hours to document for this field placement is 222 hours. Candidates will participate in weekly individual and/or group supervision as scheduled for case consultation and professional developmental.

Pre-requisite: PSYC704

Taken concurrently with PSYC709

PSYC706 CLINICAL PRACTICUM AND SUPERVISION IV

Clinical Practicum is a supervised field placement in an approved training site for clinical practice and learning. Performances and professional development will be monitored and evaluated. The minimum number of hours to document for this field placement is 222 hours. Candidates will participate in weekly individual and/or group supervision as scheduled for case consultation and professional developmental.

Pre-requisites: PSYC705, PSYC709, and PSYG703

PSYC707 PSYCHOTHERAPY THEORIES AND LAB I: ADULT AND ELDERLY

In this course, the development, principles, conceptual models, applications and limitations of major psychotherapy theories are investigated for working with the individual adult and elderly population. Current research and related case conceptualization models will be discussed. The lab segment of this course focuses on the principles, processes and practice of psychological intervention as related to the adult and elderly population. Candidates will participate in class format training that is skill-based, interactive and focused on experiential learning.

Pre-requisite: None

Taken concurrently with PSYC702

PSYC708 PSYCHOTHERAPY THEORIES AND LAB II: CHILD AND ADOLESCENT

In this course, the development, principles, conceptual models, applications and limitations of major psychotherapy theories are investigated for working with the child and adolescent population. Current research and related case conceptualization models will be discussed. The lab segment of this course focuses on an orientation to the principles, processes and practice of psychological intervention as related to the child and adolescent population. Candidates will participate in class format training that is skill-based, interactive and focused on experiential learning.

Pre-requisite: PSYC707

Taken concurrently with PSYC703

PSYC709 PSYCHOTHERAPY THEORIES AND LAB III: FAMILY SYSTEMS

In this course, the development, principles, conceptual models, applications and limitations of major psychotherapy theories are investigated for working with families. Current research and

related case conceptualization models will be discussed. The lab segment of this course focuses on an orientation to the principles, processes and practice of psychological intervention as related to working with families. Candidates will participate in class format training that is skill-based, interactive and focused on experiential learning.

Pre-requisite: PSYC708

Taken concurrently with PSYC705

PSYC710 PSYCHOTHERAPY THEORIES AND LAB IV: COUPLES AND GROUPS

In this course, the development, principles, conceptual models, applications and limitations of major psychotherapy theories are investigated for working with couples and groups. Current research and related case conceptualization models will be discussed. The lab segment of this course focuses on an orientation to the principles, processes and practice of psychological intervention related to working with couples and group dynamics. Candidates will participate in class format training that is skill-based, interactive and focused on experiential learning.

Pre-requisite: PSYC709

PSYC711 CASE DEFENCE AND COMPETENCY EXAM

The final project required for graduation is a case defence. Candidates have to prepare, under guidance, a formal case report expressing their ability to organise and analyse relevant information for diagnosis, intervention planning and treatment. The case report will be presented to a panel consisting of faculty and/or others from the psychology profession. The competency exam is a comprehensive review of the understanding of the critical knowledge, ethics and practice of clinical psychology at master level training capacity.

Pre-requisite: None

PSYC712 PSYCHOPHARMACOLOGY

General principles of psychopharmacology, an overview of neurochemistry and understanding of the use of psychoactive drugs are discussed. The focus is on the use of psychopharmacological agents in psychotherapy and their phenomenology.

Pre-requisite: None

PSYG701 ASSESSMENT I: GROWTH, INTAKE AND CONSULTATION

The course introduces the philosophy of assessment for intervention planning and treatment of psychological and behavioural areas relevant to an individual's attitudes, family, history, development and growth. Concepts and application of commonly used interviewing tools will be emphasised. The course includes a comprehensive overview of the process and methodologies for obtaining clinical history and symptomatic data. The mental status exam and intake screening are modelled, as well as how to collect, organize, and analyse information for cases within an interdisciplinary mental health care team context.

Pre-requisite: None

PSYG702 ASSESSMENT II: COGNITIVE AND SPECIAL MEASURES

The course explores the theory and techniques of assessment for intervention purposes including the administration, scoring and understanding of cognitive and intellectual psychological tests and other achievement and special measures. Research, ethics, and clinical implications of cognitive and achievement assessment will be covered, as well as writing appropriate reports. Practical experience administering instruments will be done under supervision.

Pre-requisite: PSYG701

PSYG703 ASSESSMENT III: PERSONALITY, ENVIRONMENT AND REPORT WRITING

The course explores the theory and techniques of assessment for intervention purposes and the administration, scoring, and understanding of major personality instruments in clinical practice. Research, ethics and clinical implications of assessing symptomatic behaviours, personality patterns and clinical issues will be presented including both objective and projective techniques. Practicing evaluation strategies will be done under supervision. Alternative diagnostic criteria

are also discussed. Candidates will be guided in the development of measures appropriate for the population and in the advancement of tools available for diagnostic purposes in different areas of psychology.

Pre-requisite: PSYG702

PSYG704 CLINICAL RESEARCH METHODOLOGY: QUANTITATIVE AND QUALITATIVE

The course focuses on the design and implementation of research for understanding treatment outcomes and funding purposes, and aimed at human behaviour and functioning where the construct, event or phenomenon is complex and undefined. Candidates will engage critically with the paradigms utilising both quantitative and qualitative designs and methods from different theoretical and practical perspectives. Furthermore, candidates will develop analytic skills for experimental, clinical/counselling, and applied research in order to address research in a practical manner. Finally, the course will provide opportunity for developing a master's thesis proposal including research ethics and APA requirements.

Pre-requisite: Undergraduate course in Research Methods and Statistics

PSYG705 CHILD AND ADULT PSYCHOPATHOLOGY

The course involves an investigation of dysfunctional behaviour in children and adults including a discussion of contexts. Candidates are trained towards an understanding of human actions that exceed the boundaries of culturally and socially accepted behaviour. Behaviours usually defined as normal/abnormal are critically discussed and studied from various paradigms, as well as the genetic and neurological processes will be examined. The focus of the course will be on the DSM and ICD.

Pre-requisite: None

PSYG706 PROBLEMATIC GAMBLING BEHAVIOURS

This course will examine problem gambling behaviours such as the basics of psychological concepts associated with gambling behaviours. It will look at the causes and treatment of problem and pathological gambling, and ways to assess the nature and extent of problem gambling in Macao. The course will serve as an introduction to problem gambling therapy, and includes assessment of clients and their needs, treatment planning, group and individual therapy techniques with the problem gambler.

Pre-requisite: None

PSYG707 HEALTH, WELLNESS AND HUMAN DIVERSITY

The course focuses on principles of positive psychology, health and wellness of the person in context, and includes a consideration of cross-cultural psychology and critical perspectives such as systems theory and issues related to minorities in the community. Candidates will learn to develop, implement, and evaluate individual, group and societal intervention programmes (e.g. life skills programmes), and programme evaluation for primary preventive interventions within a variety of contexts.

Pre-requisite: None

PSYG798 RESEARCH THESIS I

Candidates have to design and develop an independent research project, and write a thesis demonstrating their ability to practice and conduct independent research. The research project is based on a topic in the field of psychology and related to clinical/counselling practice, and is completed under supervision of a study leader or an approved expert on the topic of choice. The proposal is subject to approval by an ethics committee. The thesis is subject to external examination by a committee approved by FSH Academic Council.

Pre-requisite: 2.7 overall GPA for ALL courses in first year of study

PSYG799 RESEARCH THESIS II

Candidates have to design and develop an independent research project, and write a thesis that demonstrates their ability to practice and conduct independent research. The candidate is required to prepare a final report as well as a draft journal article (ready for submission to an

approved journal in the field) on the process and outcomes of the research project and in compliance with APA standards and requirements. The thesis is subject to external examination by a committee approved by FSH Academic Council.

Pre-requisite: PSYG798

PSYG805 ADVANCED TOPICS IN PSYCHOLOGICAL RESEARCH METHODS

In this course, students will engage in the nature of inquiry in psychological sciences and explore different epistemological perspectives and related methodological issues in psychology research. The course covers various advanced topics related to psychological science and research in applied contexts (e.g., business/industry, education, community, policy, health, national development, etc.), professional practice (e.g., clinical, counselling, school, etc.), and cultural settings.

Pre-requisite: None

PSYG810 SEMINAR IN PSYCHOLOGICAL SCIENCES

In this seminar-based course, students will engage with high-level readings of primary sources for exploration of various topics related to the psychological sciences. The readings will vary from year to year depending on the expertise of specialist staff and the needs for advanced study of psychology.

Pre-requisite: None

PSYG811 SEMINAR IN PERSONALITY AND SOCIAL PSYCHOLOGY

In this seminar-based course, students will engage with high-level readings from primary sources for exploration of various topics related to personality and social psychology, with an emphasis on the cultural dimensions of personality and social psychological phenomena and research. The readings will vary from year to year depending on the expertise of specialist staff and the needs for advanced study in the area of personality and social psychology.

Pre-requisite: None

PSYG812 SEMINAR IN APPLIED PSYCHOLOGY

In this seminar-based course, students will engage with high-level readings from primary sources for exploration of various topics of relevance to local and global issues in applied psychology. The readings will vary from year to year depending on the expertise of specialist staff and the needs for advanced study of psychology.

Pre-requisite: None

PSGY813 SEMINAR IN SELECTED TOPICS IN PSYCHOLOGY

In this seminar-based course, students will engage with high-level readings from primary sources for exploration of selected topics related to psychology but not covered in other Seminar courses, such as topics on the latest trends in psychology, issues currently under debate, or new paradigms and approaches recently proposed. The readings will vary from year to year depending on the expertise of specialist staff and the needs for advanced study of psychology. The course includes advanced writing skills for assessment purposes.

Pre-requisite: None

SOCB110 INTRODUCTION TO SOCIOLOGY

This course is designed to study how society works, (e.g. culture, groups and societies), why it works that way (e.g. socialization, social interaction, conflict theory, functionalism), in what way we are all affected (e.g. gender, race, class, deviance), and in what way we can change society (e.g. social movements). By the end of the course, students should understand society better and their relation to it more clearly.

Pre-requisite: None

SOCB111 READING SOCIOLOGY

This course aims to inculcate students with the basic reading skills that are necessary for understanding sociological literature, and in this way to acquaint students with the distinctive

approach of sociology as an academic discipline and a way of seeing. Foundational concepts such as culture and social interaction are introduced by way of intensively reading elementary and classic texts. By the time the students finish this course, they should be able to read and analyze sociological texts with a reasonable level of language proficiency and intellectual literacy.

Pre-requisite: Sociology majors only

SOCB120 INTRODUCTION TO ANTHROPOLOGY

Anthropology is the study of the human species in all its aspects: biological, social and cultural; behavioral and psychological; spiritual and symbolic; historic, environmental and material. This course concentrates on the multiple dimensions of cultural anthropology, or what it means to be human, through an examination of different cultures, topics and case studies taken from around the world. Goals of the course include appreciation of the variety and range of human achievement, the understanding of change and progress, and the imagination of alternative possibilities for much of what we take for granted in everyday life.

Pre-requisite: None

SOCB121 SOCIAL RESEARCH METHODS

This course introduces to students some of the basic concepts and practices of social research as adopted and codified by social sciences in general and sociology in particular. Comprehensive treatment of major research methods, including survey, in-depth interview, ethnography, and comparative-historical method, will be offered. The logic of social research will also be discussed, with the purpose of clarifying fundamental issues such as the nature of causality and correlation, the criterion and procedure of scientific falsification, etc. Methodological problems in the broad sense, such as the distinction among positivist, interpretive and critical approaches to social reality, will be covered as well.

Pre-requisite: Sociology majors only

SOCB210 SOCIOLOGICAL THEORIES

This course introduces and familiarizes sociology students with the major theoretical paradigms as they have emerged and evolved in the classical foundation and contemporary development of the discipline. Accordingly the course is intended to be at once analytical and historical, examining the shifting contexts within which various concepts and approaches have been formulated. We will focus on four sociological traditions, namely, rational choice, class analysis, institutional analysis, and symbolic interactionism. The course will also highlight the relevance and applicability of these perspectives to real social life.

Pre-requisite: None

SOCB220 QUANTITATIVE DATA ANALYSIS

The primary purpose of this course is to provide students with the basic skills and understanding to conduct data analysis in social research. It aims to equip students with the statistical techniques used most commonly by social scientists. In addition, students are also instructed on the relationship between social theory and empirical analysis. At the end of the course, students should be able to understand research reports in social science publications and in the mass media, and should also be able to evaluate the accuracy and adequacy of the conclusions reached.

Pre-requisite: SOCB121 Social Research Methods

SOCB250 POLITICAL SOCIOLOGY

This course examines major theoretical questions about power, politics, and the state from a sociological perspective. We will explore the dynamics of political institutions and processes, on the basis of which issues concerning state formation and nationalism, social movements, globalization, political culture and participation, and civil society etc. will be discussed.

Pre-requisite: None

SOCB251 SOCIAL STRATIFICATION AND INEQUALITY

This course overviews the major sociological approaches to the study of social stratification and inequality. We begin with an examination of the concepts of social stratification and social inequality, with an emphasis on the major dimensions of stratification including caste, class, gender, and ethnicity. The consequences of stratification on life chances and life style and on social mobility will be explored. The empirical relevance of these issues to the changing stratification system of Macao will also be addressed.

Pre-requisite: None

SOCB252 DEVELOPMENT AND GLOBALIZATION

In its connotations of growth and progress, the concept of development never fails to occupy a prominent place in public and sociological discourses. In recent years the terms of debate have been recast with reference to the seemingly inevitable trend of globalization. In this course, development and globalization in all their diverse models and forms will be covered. We will first examine the causes and consequences of economic growth, political democratization and social development, and then discuss the dialectical relationship between globalization and localization as well as the correlative growth of global interconnectedness and inequalities. Upon completing this course, students should have a renewed understanding of how "we" are all connected in one single albeit profoundly unequal world.

Pre-requisite: None

SOCB253 QUALITATIVE SOCIAL RESEARCH METHODS

This course is designed to introduce students to the principles and methods of qualitative research. It aims to guide students to appreciate the value of qualitative research as well as to get a practical grasp of a variety of qualitative research strategies and techniques. We will examine some of the main methods used by qualitative researchers in social sciences and in particular sociology such as participant observation, interviewing, documentary research, and content analysis etc. Our examination will consist of both readings and actual practice. The purpose is not only to understand the comparative strengths and weaknesses of each method but also to gain experience using them.

Pre-requisite: SOCB121 Social Research Methods

SOCB254 POPULATION AND SOCIETY

This course provides an overview of how social factors influence population characteristics and how the characteristics of population in turn affect society. We will focus on three primary demographic processes: mortality, fertility and migration. We will learn basic concepts, theories and measurements of each process using both historical and comparative approaches. We will apply these basic demographic concepts to contemporary demographic issues such as the support of the rapidly growing elderly population in China and Macao, and the implications of differential population growth rates and age-structure among countries on their international role and influence. Population literacy is therefore an important part of an individual's knowledge to understand current social, economic and political debates.

Pre-requisite: None

SOCB255 KINSHIP, FAMILY AND MARRIAGE

This course looks at the family through the sociological eye. We begin the course by looking at the fundamental principles at work within the family. As the course progresses, we examine the major issues, problems, and controversies surrounding the contemporary family. Throughout the course, students will be asked to critically evaluate assumptions we have about the family.

Pre-requisite: None

SOCB256 SOCIOLOGY OF DEVIANCE

We will study how and why certain behaviors are considered dangerous enough to deserve negative sanctions, how deviant careers are socially constructed, and how deviants and conventional society cope with each other. In addition to theories, we will study criminal behavior, drug use, heterosexual and homosexual deviance, physical deviance such as body piercing and

tattooing, religious deviance, and mental disorders, etc.

Pre-requisite: None

SOCB257 SOCIOLOGY OF GAMING

This course will cover topics related to gaming and society. We will examine briefly the history of the gaming industry in leading casino cities, and the social consequences generated by it. This course will focus on four tendencies in the development of the gaming industry: legalization, popularization, entertainment, and modernization. The development of Macao's casino industry and the challenges it faces will be emphasized.

Pre-requisite: None

SOCB259 ENVIRONMENT AND SOCIETY

This course addresses the complex and often problematic relationships and connections between humans and natural and built environments by examining how cultures and societies construct knowledge about nature and attribute value to it, how they use or abuse environments and resources, and how human activity, culture and social organization have always been deeply linked to the natural, material world. It also examines how factors such as gender, race, class, ethnicity, and cultural/historical experience influence the ways people perceive, understand, interact with, and are affected by the environments in which they live.

Pre-requisite: None

SOCB262 THEORY IN ANTHROPOLOGY

This course examines why theory matters and how and why anthropological theories have influenced and been influenced by empirical studies of human communities and on-going debates about culture. We will discover why theory in anthropology has often been contentious, controversial, and marked by many productive disagreements and varieties of approach. The goals are to foster critical understanding of the aims and scope of any theory by examining, in historical context, the ideas of some of the discipline's most influential thinkers and evaluating their continued relevance to contemporary research.

Pre-requisite: None

SOCB263 CRIMINOLOGY

The purpose of this course is to familiarize students with the major issues in the field of criminology, i.e., various approaches to criminology, concepts of crime and law, theories of crime causation, types of crime, and the criminal justice system. In other words, we are studying the what, why and how of crime and justice. The course is characterized by class discussions, presentations, mini-lectures, guest lectures, field trips, videos, and a major research project

Pre-requisite: None

SOCB264 DRUGS AND CRIME

This course considers issues in alcohol misuse, licit and illicit drug use, and the criminal justice system. An emphasis on social science research methodology will frame each sub-topic with current and classic, state-of-the-art research studies providing evidence associating alcohol misuse, drug abuse, and criminality. The link between drugs and crime will be thoroughly examined, and policy questions and approaches will be considered.

Pre-requisite: None

SOCB265 GAMBLING AND CRIME

This course explores the connections and relationships between legalized casino gambling and crimes such as loan sharking, money laundering, prostitution, drug trafficking, and employee theft. We will examine the particular social milieu created by casinos and gambling-related entertainment venues, analyze the social and business contexts that may or may not encourage such crimes, and evaluate programmes and policies designed to prevent or limit their occurrence.

Pre-requisite: None

SOCB266 MACAO SOCIETY

This course intends to familiarize students with the political, economic, and social aspects of Macao and to foster better understanding of how it has developed to what it is today. We will examine issues like the political and economic transformations of Macao, the clash or cooperation of civilizations, religious life of people both Chinese and Portuguese, literature and the arts about Macao, and social issues and problems. By the end of the class, students should have a very good idea of Macao's political, economic, cultural, and social past, present, and future.

Pre-requisite: None

SOCB267 CHINESE SOCIETY

The course is structured not as an historical chronology but rather as a thematic discussion of some of the major issues in contemporary China. We will explore the basic institutional make-up of Chinese society, the structural changes brought forth in the reform era, and the impacts on the daily existence of the people therein. It is expected that after taking the course, students would not just know, but could also make sense of, what is going on in Chinese society today

Pre-requisite: None

SOCB268 MIGRATION

The ancestors and family of people in Macao people left home, settled and created a immigrant society. In the era of globalization, technological development facilitates further mobility, but new control mechanisms and borders also increasingly regulate and limit our mobility. This course offers a holistic view of the migration process from multiple perspectives at multiple levels of analysis. It addresses the macro factors structuring migration patterns and volume; the intermediary factors that condition the entry, exit and settlement, as well as our views toward different migrant groups; and the individual migrant and family's identity and agency.

Pre-requisite: None

SOCB269 POLICING

This course aims to provide students with a criminological understanding of police and policing in a historical and comparative perspective. Up completion of the course, students will be able to master key concepts and theories of policing; critically analyze various issues and controversies on contemporary policing; understand social structural factors in shaping police practice in a given country; locate a local police issue in a historical and global context; and understand future development of policing.

Pre-requisite: None

SOCB350 GENDER AND SOCIETY

This course studies how pervasive gender is in organizing our social life. We shall examine how gender organizes everything from our sense of personal identity to our daily face-to-face interactions, and how gender is embedded in institutions such as the family, labor market, religious institutions, and the state. The aim is to provide students with sociological ways of thinking about gender.

Pre-requisite: None

SOCB352 SURVEY METHODS AND SAMPLING

This course aims to teach students how to design a questionnaire and implement surveys using simple random, systematic, stratified, clustered or multistage sampling designs. Students are also expected to learn how to estimate sample size, test hypothesis and adjust for non-response upon successfully completing this course.

Pre-requisite: SOCB121 Social Research Methods

SOCB353 INTERNSHIP

This course is designed as a field practice course. Students will learn how to apply what they have learnt in class to a practical situation. They are expected to write reports and meet with the instructor regularly, in groups and/or in person, to share their experiences and discuss what they

have learnt.

Pre-requisite: With instructor's approval

SOCB354 LAW AND SOCIETY

This course examines the legal order as an established institution and how it interacts with our social life. We shall discuss the various approaches to law, the impact of law on our behavior and hence our daily lives, law and social change, legal equality, and the negotiations of the legal order, etc.

Pre-requisite: None

SOCB355 RELIGION AND SOCIETY

This course examines the various approaches and studies pertaining to the complex interrelationships between religion and society. Some of the major themes it covers include: the classic secularization debate, sect and cult as the agents of religious and social change, the social and symbolic functions of ritual, the ambiguous power relationship between church and the state, the role of different religions in the making of modern civil society, as well as the resurgence of religions in the age of globalization. Examples from religions in Macao and other societies will be used in the illustration and discussion of relevant concepts and theories.

Pre-requisite: None

SOCB356 SOCIOLOGY OF EDUCATION

This course examines the articulation of education with the broader social system. The various issues of educational attainment, ideologies and hidden curriculums, classroom as an interaction system between teachers and students, and the role of social, symbolic and cultural capitals in the determination of educational success and the reproduction of society, will be discussed.

Pre-requisite: None

SOCB357 SOCIAL MOVEMENTS

This course will engage students with some of the larger theoretical debates in the study of social movements and the broader area of contentious politics. We will be concerned with the social and political context of protest, focusing on the circumstances in which social movements emerge and the political tactics and strategies involved. We will also examine the ways social movements are related to other forms of contention. In this exercise, the "voices", "silences", and emotions engendered in contentious politics will be given particular attention.

Pre-requisite: None

SOCB360 COLONIALISMS AND POST-COLONIALISMS

This course critically evaluates how the experience of colonialism – the creation of empires, the conquest of territories, and foreign control of social, political and economic institutions – has forever changed local cultures and communities. It also analyzes the continued social and cultural implications of resistance and independence movements upon social theory, artistic and literary creations, and political and economic thought in many contemporary, post-colonial nations, states and societies.

Pre-requisite: None

SOCB361 URBAN ANTHROPOLOGY

More and more people in today's world live in cities. This course examines the special and often unique problems and challenges of both urban living and doing anthropological research on distinctly urban cultures, lifestyles and communities. Topics include the material and symbolic implications of increased urbanization worldwide; continuity and change in urban cultures; new opportunities, values and ways of life made possible in cities; concepts of space and place; and the conflicts and problems generated by recent trends in urban policy, planning, community development, and environmental impacts.

Pre-requisite: None

SOCB362 CULTURE AND GLOBAL TOURISM

Tourism is now one of the world's largest industries and virtually no place on earth is untouched by its grasp. This course provides students with the tools to critically evaluate the effects of tourism, for both good and ill, upon cultures and communities at local, national, and regional levels. Topics include the relationships between culture, education and wealth and the impact of tourism upon social stratification; culture as symbol, as commodity, and as entertainment in a global marketplace of ideas and experiences; internal versus externally directed cultural expressions; cultural resource management; and the ability or inability of communities to sustain, enhance or develop distinctive, locally relevant cultural expressions in the face of increased access to and interest in travel and the consumption of culture on a global scale.

Pre-requisite: None

SOCB363 CULTURE, ETHNICITY AND TRANSNATIONALISM

The course questions old, place-based models of culture and ethnicity by examining a range of new, cutting-edge theories that see them as dynamic and shifting processes no longer confined to separate or discrete culture areas, nations or regions. Questions addressed include how new forms of communication technology, travel, and the increased ability of people and ideas to move quickly around the world have created new conditions, requirements and possibilities for social action, cultural expression, and the realization of ethnic and other identities. Topics include the concept of thinking globally but acting locally; new media as resources for the projection of local concerns onto a global stage; and the development of transnational networks that provide economic, educational, social, and cultural support to the organization of new social movements and cultural communities separated by distance throughout the world.

Pre-requisite: None

SOCB364 COMMUNITY AND CRIME

This course introduces contemporary literature on neighborhoods and crime. Community has been in the center of social and criminological research. Both quantitative research and ethnographic studies have considered community as a focal point where social processes occur. The classical theories of "Chicago School" have had a profound influence on contemporary perspectives on community and crime. This course will be organized around both theoretical and methodological debates in the neighborhood effects literature to discuss the role of community in crime and social problems.

Pre-requisite: None

SOCB365 SOCIAL CHANGE AND CRIME

This course addresses problems of social control, crime and criminal justice in the context of profound social change in mainland China and Macao. Topics include crime trends, social sources of crime, theoretical explanations, Chinese approaches to social control, crime control policy, and the criminal justice system, as well as some key issues in rule of law and contemporary Chinese criminal justice reform.

Pre-requisite: None

SOCB366 HEALTH AND SOCIETY

The purpose of this course is to introduce students to the major social variables—social class, race, gender, poverty, income distribution, social networks/support, community cohesion, the work and neighborhood environment—that affect population health. The course covers the theoretical underpinnings of each construct, and surveys the empirical research linking each to population health status. Methods are introduced to operationalize each construct for the purposes of empirical application in epidemiologic research.

Pre-requisite: None

SOCB367 WHITE-COLLAR CRIME

This course provides an examination of theory and research in the field of white-collar crime. Classic theoretical works will be considered as well as contemporary writings. The course will begin with an introduction to the field, including definitional and theoretical issues regarding the

areas of white-collar, occupational, organizational, and corporate crime. Following this, we will examine various forms of white-collar crime including: consumer crime, corporate crime, computer crime, and financial fraud. Finally, we will review salient issues regarding the causes, prevention, enforcement, and sanctioning of white-collar crime.

Pre-requisite: None

SOCB368 GENES AND SOCIETY

The course focuses on how genetics can enrich the social sciences. Topics include an introduction to biometrics (inferring genetic influences using genetically related individuals); an introduction to basic principles of molecular genetics; joint influences of social contexts and genetic heritage to human behaviors; history of human evolution and contemporary race/ethnicity; evolutionary psychology; sex, gender, and genetics; ethnical, legal, and social issues in genetic studies; genetic testing; and epigenetics – the potential links between genes and environment.

Pre-requisite: None

SOCB369 CRIME AND CRIMINAL JUSTICE IN CHINA

The landscape of crime and criminal justice system in China has under dramatic changes in the past six decades. While pre-reform China has been regarded as a “crime-free” society, the crime rate has soared in the recent three decades due to rapid industrialization, urbanization and modernization. China’s incarceration rate is around the world average, but its wide use of death penalty makes it one of the most punitive countries in the world. How to understand the unprecedented change of crime and Chinese government’s effort in controlling crime? What are similarities and differences of Chinese experience of crime and its control in a global perspective? This course will provide a criminological analysis on various issues on crime, policing and punishment in China.

Pre-requisite: None

SOCB370 PSYCHOLOGY OF CRIMINAL BEHAVIOUR

This course focuses on biological, environmental and personality factors that influence delinquency and crime. Major topics of discussion will include psychopathology, maladjustment patterns, psychoses, personality disorders, alcohol and drug dependency, and the relationships between aforementioned factors and criminal behavior. The course may also cover offender profiling, sexual violence, and psychological treatment of criminal offenders.

Pre-requisite: None

SOCB410 RESEARCH PROJECT

This course aims to help final-year students to consolidate and deepen their understanding of sociological perspectives by applying them to the analysis of social phenomena and specific issues. Students are responsible for defining a research topic, articulating a research problem, and designing a feasible research project. Emphasis will be put on training the competence of the students to position their research projects in the broader relevant fields of the discipline, and to conduct constructive dialogues with the existing literature.

Pre-requisite: Sociology majors only

SOCB450 SENIOR THESIS

In this complementary course to the Research Project class, students will implement their research projects under instruction by chosen supervisors. Students will be guided throughout the process, from data collection through data analysis to report writing. At the end of the course, students are expected to produce theses that achieve an appropriate level of mastery of the theoretical and empirical issues involved.

Pre-requisite: SOCB410 Research Project and with instructor's approval

SOCB451 SELECTED TOPICS IN SOCIOLOGY

This course is designed to be highly flexible to allow examination and discussion of specific

issues in sociology not included in the regular degree curriculum. Discussion topics will be selected by the instructor and may vary from year to year.

Pre-requisite: None

SOCB452 SELECTED TOPICS IN ANTHROPOLOGY

This course is designed to be highly flexible to allow examination and discussion of specific issues in anthropology not included in the regular degree curriculum. Discussion topics will be selected by the instructor and may vary from year to year.

Pre-requisite: None

SOCB453 GLOBALIZATION AND CORPORATE SOCIAL RESPONSIBILITY

This course examines important corporate social responsibility issues in the course of globalization, including the widely protested poverty-level wages, economic inequality, and rampant corporate violations. It starts with cases illustrating multinational corporations' globalizing strategies, and the implications of this globalizing process. What responsibilities do multinational corporations have to its various stakeholders: consumers, employees, governments, the environment, and the public? It uses specific cases to examine the role of large corporations in perpetuating or alleviating the negative consequences of globalization. Finally, we study and compare various proposals to define and address the social responsibilities of multinational corporations.

Pre-requisite: None

SOCB454 SOCIOLOGY OF CONSUMPTION AND LEISURE

Consumption and leisure is an intrinsic part of modern life and the dominant economy in Macao. But what is a "consumer society"? What is the essence of economic and social relationship in consumer society and how is it different from other ways of structuring society? What is "consumerist culture" that is blamed for causing family disintegration and social alienation? This course will take students through the key readings and theories on consumption and leisure and on modernity and globalization at large, which are built upon classical sociological theories. The theories will be combined with topical discussion and case studies.

Pre-requisite: Students are required to take and pass SOCB110, SOC111 and SOCB210 prior to this course

SOCY800 SELECTED TOPICS IN ADVANCED SOCIOLOGICAL THEORIES

The objective of the course is to broaden and strengthen the student's understanding of sociological theories and their applications by bridging the classical with the contemporary and combining theory with practice. The selected topics in this course may include readings of classical and/or contemporary sociological theories, such as that of Marx, Weber, Durkheim, Simmel, Parsons, Merton, Garfinkel, Blumer, Goffman, Mead, Habermas, Giddens, Foucault, Bourdieu, Sampson, etc. Topics may also include such theoretical perspectives as feminism, theories of development, political sociology, the life course perspective, etc.

Pre-requisite: None

SOCY801 SELECTED TOPICS IN SPECIALIZED THEORIES

The objective of the course is to deepen students' understanding of theory by connecting larger paradigms of sociological theories to specific theories that analyze a specific field of study in sociology. Selected topics in this course may include theories focusing on specific issues in sociology such as gender and sexuality; marriage and family; adolescent development; globalization; political participation; deviance and crime; social movements; religion; race and ethnicity; nationalism and national identity, etc. The specialized theories covered depend on the needs of the students.

Pre-requisite: None

SOCY802 SELECTED TOPICS IN ADVANCED RESEARCH METHODS

The objective of the course is to strengthen students' abilities in sociological research. This

course teaches students advanced research methodologies as well as data management and analysis skills. These may include advanced statistical methods and recent developments in research design in the quantitative tradition, and/or qualitative approaches in the interpretive and critical traditions. The specific topics covered depend on the needs of the students.

Pre-requisite: None

SOCY803 PAPER/ THESIS WRITING AND PUBLICATION

This course familiarizes students with writing academic papers and publishing them. The content of the course may include the analysis of various kinds of academic writing that comes from different research paradigms, study of journals in the fields and their specific requirements, writing a research proposal, writing a research paper targeting a specific academic journal, and writing a PhD dissertation.

Pre-requisite: None

SOCY899 DOCTORAL THESIS

PhD candidates must complete a thesis. A thesis is a scholarly work that demonstrates substantial capacity on the part of the student to engage in independent investigation. In order to satisfy thesis requirements, students must pose an original research question and apply appropriate methods of scholarship and methodology to that question in order to generate new knowledge.

Pre-requisite: Completing required coursework and passing qualifying examinations

PhD ProgrammeAREAS OF STUDY■ **Biomedical Sciences****Disciplinary Courses** **Credits**

Compulsory Courses:

CMED826	Research Ethics	0
CMED827	Research Writing	1
CEMD820	Seminars	0
CMED809	Quality Research in Chinese Medicine	3

Total Credits: **4**

Elective Courses (Choose one of the followings): **3**

CMED804	Advanced Pharmacokinetics
CMED805	Advanced Pharmaceuticals
CMED806	Functional Food Product Development in Chinese Medicine
CMED808	Healthcare Decision Analysis
CMED821	Chemistry of Natural Medicine
CMED822	Advanced Pharmaceutical Analysis
CMED823	Drug Discovery
CMED824	Advanced Pharmacology
CMED825	Advanced Topics in Medicinal Administration

Total Credits: **3**

For students admitted without a relevant Master's degree required to choose 2 elective courses from above 9 courses listed.

Doctoral Thesis **Credits**

CMED899	Doctoral Thesis	18
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INSTITUTE OF CHINESE MEDICAL SCIENCES

Master's Degree Programmes**Chinese Medicinal Science**

Year I	Credits
Compulsory Courses:	
CMED 701 Pharmacology and Safety Evaluation	3
CMED 703 Introduction to Research in Chinese Medicinal Science	3
CMED 716 Quality Control of Chinese Medicine	3
CMED 717 Development of Drugs and Health Products	3
Elective Courses (Choose <u>four</u> of the followings):	12
CMED 707 Medical Technology Management	
CMED 715 Biomedical Informatics	
CMED 718 Pharmaceutical Science	
CMED 719 Systems Biology	
CMED 720 Targets and Models for Drug Screen	
CMED 721 Emerging Materials in Clinical Medicine	
CMED 722 Advanced Natural Products Chemistry	
CMED 723 Progress in Contemporary Study of Chinese Medicine	
CMED 724 Application of Pharmacokinetics and Metabonomics in Drug Development	
CMED 725 Across the Gap between Science and Industry	
CMED 728 Computational Pharmacy	
Total Credits:	24

Year II

Thesis	Credits
Applied Track	
1 course from other Major in ICMS Master Programme	3
Applied Thesis	3
Academic Track	
Academic Thesis	6
Total Credits:	6

Master's Degree Programmes

Medicinal Administration

Year I	Credits
Compulsory Courses:	
CMED 707 Medical Technology Management	3
CMED 708 Social Medicine	3
CMED 709 International Business and Law for Medicine	3
CMED 710 Introduction to Research in Medical Administration	3
Elective Courses (Choose <u>four</u> of the followings):	12
CMED 715 Biomedical Informatics	
CMED 717 Development of Drugs and Health Products	
CMED 718 Pharmaceutical Science	
CMED 719 Systems Biology	
CMED 720 Targets and Models for Drug Screen	
CMED 726 Bio-Statistics	
CMED 727 Standardization and Quality Management of Chinese Medicine	
CMED 728 Computational Pharmacy	
CMED 729 Research Methodology	
Total Credits:	24

Year II

Thesis	Credits
Applied Track	
1 course from other Major in ICMS Master Programme	3
Applied Thesis	3
Academic Track	
Academic Thesis	6
Total Credits:	6

Course Description

CMED701 PHARMACOLOGY AND SAFETY EVALUATION

- Principles of Pharmacology.
- Mechanisms of some classes of drugs.
- Pharmacokinetics.
- In vitro and in vivo models for pharmacology research
- Experimental models for evaluating drugs used in the areas of cancer, cardiovascular diseases, immunology and endocrinology.
- Principle of safety evaluation.
- Experimental models for drug safety evaluation.
- Acute toxicity in drug safety evaluation, suchronic and chronic toxicity studies, genotoxicity, developmental and reproductive toxicity testing, carcinogenicity studies.
- Pharmacological studies and safety evaluation of Chinese medicine.

CMED703 INTRODUCTION TO RESEARCH IN CHINESE MEDICINAL SCIENCE

- Harmless Chinese medicine and medicinal plants.
- Novel technology on the extraction, separation and purification of Chinese medicine.
- Novel dosage forms of Chinese medicine.
- Regulation and accreditation of the quality standard of Chinese medicine.
- Toxicity and adverse effects of Chinese medicine.
- Research, development and trends of the usage of Chinese medicine in clinical prevention, treatment and rehabilitation.

CMED707 MEDICAL TECHNOLOGY MANAGEMENT

- An introduction to:
 - Management.
 - Human resources management.
 - Financial control.
 - Costing study.
 - Audit system.
 - Organization development.
 - Centralization & Decentralization.
 - Marketing of pharmaceutical products.
 - Sales strategy of medical products.
- Quality control and surveillance of drugs and health products.
- International requirements on quality, safety and clinical trials of registered drugs.
- Good Guideline Practice (GGP)
- Good Agricultural Practice (GAP) of pollution-free Chinese medicine.
- Good Laboratory Practice (GLP) of non-clinical research.
- Good Clinical Practice (GCP).
- Good Manufacturing Practice (GMP).
- Good Supply Practice (GSP).
- Regulations of herbs and Chinese medicine in China, EU, US and East Asia.

CMED708 SOCIAL MEDICINE

- Theory and methods of social medicine research.
- Interactions between social economy, politics, culture and education.
- Principles and applications of economics on health delivery system.
- Social survey and its assessment.
- Medicine ethics.

- Human interactions and communication in medical practice.
- Analysis of psychological, behavioural and social factors of drug usage and abuse.
- Supply and demand of health services.
- Social responsibility of pharmacist.
- Marketing and regulation of drugs.
- Social welfare systems of China (Macao, Hong Kong, Taiwan) and other major western countries.
- Macro policy analysis and methodology.

CMED709 INTERNATIONAL BUSINESS AND LAW FOR MEDICINE

- An introduction to international business and trade.
- Introduction of health economics and pharmaceutical economics.
- Health Act & Regulation.
- Types of main international legal systems for medicine
- Regulations and international treaties for the control of medicine.
- Establishment and operation of multi-national, joint-venture pharmaceutical enterprises/companies.
- Legal settlement for business disputes.
- Medical patenting, trademarks and intellectual property.
- Legal rights and obligations of medical wholesalers.
- Censorships and responsibility of advertisements of medical products.
- Registration of Chinese medicine in European and US markets and its related laws.

CMED710 INTRODUCTION TO RESEARCH IN MEDICAL ADMINISTRATION

- Medical care and social security systems in Europe, US and China.
- Developmental strategies for medical health economy and medical technology industry.
- Development strategies for medical technology.
- Development and trends of research in surveillance and management of medicine, functional food, cosmetics and other health products in China and worldwide.

CMED715 BIOMEDICAL INFORMATICS

Informatics broadly covers the studies of natural and artificial domains for communication, interaction, data, and information, and relating them to the processes of defining, developing, managing, criticising, and refining knowledge. Biomedical informatics focuses on the theories, methodologies, and technologies of informatics that are related to processing biological and medical knowledge. This course mainly introduces important concepts (not trivial details), including those in basic informatics, medical informatics, bioinformatics, and Chinese medicine informatics. Later parts of this course will cover the recent advances in some integrative approaches such as systems biology, translational medicine, and evidence-based/led Chinese medicine.

Syllabus:

- Knowledge representations and computational reasoning
- Knowledge management
- Web, semantic Web, and multi-agents
- Practical software development
- Medical knowledge-based technologies
- Medical evidence reasoning
- Medical knowledge discovery
- Algorithms for biological sequences and structures
- Prediction of protein structure and protein interactions
- Analysing data from high-throughput experimentation
- Systems biology and pathway modelling
- Translational research in biomedicine

- Medical research protocols
- Evidence-based/led Chinese medicine

CMED716 QUALITY CONTROL OF CHINESE MEDICINE

- Strategies of quality control for Chinese medicine.
- Optimization of marker for quality control of Chinese medicine.
- Samples preparation for quality control.
- New development for extraction, separation, and purification of major groups of active components.
- Application of modern biology on quality control of Chinese medicine.
- Chemical identification of major groups.
- Significant factors affecting the quality of Chinese medicine.
- Origin and species identification.
- Analysis of residual pesticides, heavy metals and arsenic salts.
- Contemporary analytical techniques in the quality control of Chinese medicine.
- Spectrophotometry, chromatography, mass spectrophotometry and their combined applications.

Pre-requisite: None

CMED717 DEVELOPMENT OF DRUGS AND HEALTH PRODUCTS

- Introduction of international herbs, Chinese medicine and its health products.
- Precursor compounds.
- Principle and methods of drug design.
- Drug forms and process control.
- Screening of bioactive ingredients.
- Investigation of cellular and molecular mechanisms.
- Pharmacokinetics.
- Toxicology and drug dependence.
- Integrated clinical evaluation.
- Development of Chinese medicine, health products and cosmetics.
- Functions and safety assessment of health products and cosmetics.
- Development of simulation design on new drugs and health products.

Pre-requisite: None

CMED718 PHARMACEUTICAL SCIENCE

- Optimal design of drug preparation.
- Novel medical subsidiary materials.
- Stability of drug preparation.
- Different types of preparations: slow-release and controlled-release preparations, targeted preparations, important and new types of Chinese medicine preparations, biotechnological preparations, etc.
- Manufacturing techniques and instruments used in drug preparation.
- Techniques and their applications in Chinese medicine preparations: inclusion technique, solid dispersion, micro-cyst, liposome, etc.

Pre-requisite: None

CMED719 SYSTEMS BIOLOGY

- Principles of system biology.
- Gene expression, regulation and molecular cloning.
- Genomics (that is, organismal DNA sequence) and its application.
- Epigenetics (that is, DNA methylation, histone acetylation and deacetylation, etc.) and its application.
- Proteomics (that is, whole proteins and peptides from organismal, tissue, or cell level)

and its application.

- Metabolomics (that is, organismal, tissue, or cell level measurements of all small-molecules) and its application.
- Application of system biology for studying Chinese medicine.

Pre-requisite: None

CMED720 TARGETS AND MODELS FOR DRUG SCREEN

- Principles of targets, models and drug screen.
- Drug screen for the samples from different sources.
- High-throughput drug screen.
- High-content drug screen.
- Targets and models for anti-cancer compounds screen.
- Targets and models for anti-microorganism compounds screen.
- Targets and models for neuro-protective compounds screen.
- Targets and models for immune-regulation compounds screen.
- Targets and models for screening compounds for treatment of cardiovascular diseases.
- Screen biological active compounds from Chinese medicine.

Pre-requisite: None

CMED721 EMERGING MATERIALS IN CLINICAL MEDICINE

This course aims to provide students a broad understanding of cutting-edge development in biomedical materials, devices and implants, and their emerging applications in clinical medicine. This course will introduce successful stories from bench to bedside (and beyond), discuss exciting breakthroughs in nanomedicine, tissue engineering, cancer therapy and regenerative medicine, as well as outline important regulatory and marketing challenges for these inventions.

Pre-requisite: None

CMED722 ADVANCED NATURAL PRODUCTS CHEMISTRY

This course introduces and reviews the basic concepts of natural products chemistry, focusing on modern extraction and purification methods, and advanced spectroscopic methods. Biogenesis pathways of common natural products, as well as the biological activities and pharmaceutical importance of natural products will also be discussed. The course includes lectures and group discussion.

Pre-requisite: None

CMED723 PROGRESS IN CONTEMPORARY STUDY OF CHINESE MEDICINE

The objective of this course is to provide an overview of progress in contemporary study of Chinese medicine. The course will consist of a series of lectures based on the specific disciplines of Chinese medicine research, focusing on immunopharmacology, tumor pharmacology, cardiovascular pharmacology, toxicology, chemistry and medicinal pharmacy, etc. The academic staff in ICMS or guest speakers will be recruited to provide lectures in their areas of expertise, and each is responsible for respective course objectives. This course will also have a journal club component, which will enable students to read and present a scientific journal article related to the course.

Pre-requisite: None

CMED724 APPLICATION OF PHARMACOKINETICS AND METABONOMICS IN DRUG DEVELOPMENT

This course aims to equip students with practical working knowledge of pharmacokinetics and metabolomics and its application to lead identification and target validation in drug discovery and development. Properties that affect pharmacokinetics, pharmacodynamics, and toxicity are discussed (i.e., physicochemical, interactions with human body). Cutting-edge models and technique platforms as well as comprehensive strategies are introduced. Case examples from the literature illustrate successful lead selection and optimization using pharmacokinetics and

metabonomics approaches in drug development.

Pre-requisite: None

CMED725 ACROSS THE GAP BETWEEN SCIENCE AND INDUSTRY

There is a big gap between science and industry. This course tries to help student get across this gap by introducing necessary knowledge and skills in the industry. The course covers a wide range of information including: over all view of business of Chinese medical science, a glance of big Pharms, the organization of global company, product development strategies, project management, business communication skills, leadership and team work, knowledge transfer issues, introduction of generic drugs and the GXP in drug development. The course will be useful for those who want to move to industry after graduation also for those who want to develop health related products in the university.

Pre-requisite: None

CMED726 BIO-STATISTICS

This course is designed for master students to understand the basic bio-statics theory and skills. Also the course will teach students how to use the most advanced bio-statics softwares.

Pre-requisite: None

CMED727 STANDARDIZATION AND QUALITY MANAGEMENT OF CHINESE MEDICINE

In 'Standardization and Quality Management of Chinese Medicine' course, some basic concepts and theories of standardization will be introduced. The topics include standard substance, uniformity stability, precision, ISO, Total Quality Management (TQM), Six Sigma (6σ), Lean Manufacturing and Lab certification. Moreover, some cases will also be introduced to show how to design the quality of traditional Chinese medicine or new drugs.

Pre-requisite: None

CMED728 COMPUTATIONAL PHARMACY

The course introduces computer application to pharmacy, including expert and knowledge-based systems, artificial intelligence, online pharmacy and medical databases, molecular modeling and computer-aided drug design, computational pharmaceuticals and bioinformatics. In computer laboratory, students will acquire initial skills of molecular modeling. They will also practice in searching online databases. The course will build a bridge between computer science and pharmacy for students.

Pre-requisite: None

CMED729 RESEARCH METHODOLOGY

This course aims to help students to master the main research methods for their thesis projects, including qualitative methodology, case study, web content analysis, qualitative data analysis, network visualization and analysis, correlation analysis, multiple regression, etc. Moreover, students will learn how to write and publish academic papers in major journals.

Pre-requisite: None

CMED804 ADVANCED PHARMACOKINETICS

The principal objective of the course is to provide the students an in-depth insight into the basic processes that governs the disposition of drugs and other xenobiotics by the human body and the correlation with efficacy and toxicity. The course focuses on the application of the principles of pharmacokinetics solving problems in new drug discovery and development and the development of the herbal medicine products.

Real-world cases will be reviewed and formal readings and discussions will occur throughout the course to foster critical thinking and independent learning.

Pre-requisite: Participants need to have knowledge in biological sciences, pharmaceutical sciences, mathematics

CMED805 ADVANCED PHARMACEUTICS

This course introduces the recent progress in the interdisciplinary field of pharmaceutical

sciences, with particular emphases on drug delivery systems, nanoscale formulations as well as gene/cell therapy. It enables students to understand how these new theories and technologies can improve drug safety, enhance therapeutic efficacy and translate into new therapeutic modalities.

Pre-requisite: none

CMED806 FUNCTIONAL FOOD PRODUCT DEVELOPMENT IN CHINESE MEDICINE

This course will introduce students to the essential concept and development procedure of functional food in Chinese Medicine (CM). It includes basic knowledge of medicine - food dual purpose CM, functional ingredients in CM, pharmacological activity evaluation and safety evaluation. These lectures will also cover in moderate detail the new technologies and methodologies for the development of functional food from CM. Moreover, this course will introduce selected topics of functional food from other natural products, including functional fatty acids, mushroom, soy extracts, grape, etc. In addition, functional food regulations in China, USA and Europe will be briefly introduced.

Pre-requisite: none

CMED808 Healthcare Decision Analysis

This course aims to equip research students with the knowledge and skills to conduct evaluation research into the healthcare issues that require evidence-based reasoning and data analytics. Major healthcare cases related to complex diseases will be studied through interactive study and project-based research.

Pre-requisite: Before taking this course, the students should prepare themselves with a working knowledge of basic multivariate statistics and pathophysiology. Some knowledge of statistical software or data mining packages based on R or Python would be an advantage.

CMED809 QUALITY RESEARCH IN CHINESE MEDICINE

This subject introduces the novel strategies, new methodologies and state-of-the-art techniques for quality research of Chinese medicines. Strategy of systematic evaluation, advanced instruments and analytical techniques including sample preparation and detection will be emphasized in the course.

Pre-requisite: None

CMED820 SEMINARS

The Seminar is a graduate level course designed to give students an opportunity to hear from and interact with experts in their fields of study. ICMS will invite the leading local, national, and international scientists to speak about the latest advances in Biomedical Sciences. Graduate students also present talks about their own research. This experience gives the students practice speaking to the others and allows for the exchange of ideas as they conduct their thesis research.

Pre-requisite: none

CMED821 CHEMISTRY OF NATURAL MEDICINE

This course is intended to provide an extensive understanding of chemistry of natural medicine and the cutting-edge techniques in discovering and developing natural medicines. Especially, the isolation, structural elucidation, classification, bioactivities and toxicities of natural medicines and related topics will be discussed in this course.

Pre-requisite: none

CMED822 ADVANCED PHARMACEUTICAL ANALYSIS

The principal objective of the course is to provide the students an in-depth insight into the advanced development in strategies and practices in pharmaceutical analysis. The course focuses on the new methodologies and state of the art techniques for including sample preparation, instrumental analysis and data processing for pharmaceutical analysis. Real-world cases will be reviewed and formal readings and discussions will occur throughout the course to foster critical thinking and independent learning.

Pre-requisite: Participants need to have knowledge in analytical chemistry, pharmaceutical sciences, pharmaceutical analysis

CMED823 DRUG DISCOVERY

This course will introduce students to the essential concepts and principles of drug discovery. It covers the latest and most outstanding developments on the medicinal chemistry and pharmacology of molecular drug targets, e.g. disease specific proteins, receptors, enzymes, and genes. This course also includes descriptions of current techniques in isolation and structural elucidation, screening techniques and high-capacity instrumentation for increased productivity in the development and discovery of new drugs.

Pre-requisite: none

CMED824 ADVANCED PHARMACOLOGY

This course will introduce students to the essential concepts and principles of pharmacology. It includes descriptions of type of receptor, agonist and antagonist activities, analysis of agonist-effect relationships and the intracellular signaling pathways and transcriptional regulation at molecular level by which endogenous and exogenously applied compounds elicit effects. Also, this course will introduce some new research strategies recently developed in pharmacology such as systems pharmacology, network pharmacology. Lastly, this course will emphasize the hot topics of biology such as autophagy, hormesis, epithelial-mesenchymal transition, etc., which could be integrated into pharmacological study of Chinese medicine research.

Pre-requisite: none

CMED825 ADVANCED TOPICS IN MEDICINAL ADMINISTRATION

This course will introduce various advanced topics in medicinal administration to PhD students, including pharmaceutical care at community pharmacy, pharmaceutical innovation system, basic theories of standardization and quality management (ISO 9001), total quality management (TQM) and relevant case study, data and visualization of data, e-learning in pharmacy education, ICT in pharmaceutical industry, and drug registration and patent linkage. Once completing this course successfully, students can have a wide understanding of cutting-edge theories and methods in medicinal administration, which is crucial to integrate multidisciplinary resources to develop PhD study.

Pre-requisite: none

CMED826 RESEARCH ETHICS

The on-line course provides students with an understanding of the following issues:

- the need for research ethics and the responsibility of the researcher (the student)
- the most common types of academic dishonesty (such as fabrication and plagiarism)
- how to avoid committing acts of academic dishonesty (such as through using citations and references)
- how the University deals with students who have been proven to have committed acts of academic dishonesty (The University's 'Rules on Handling Student Academic Dishonesty' will be outlined)

Pre-requisite: None

CMED827 RESEARCH WRITING

The course focuses on helping students to make academic presentations whether verbally (as in a conference) or in writing (as in a paper). Topics include:

- how to write a research proposal
- how to structure a presentation (on paper and in powerpoint)
- tenses used in various parts of a paper presentation
- how to structure clear and logical paragraphs
- how to be concise

-
- how to avoid ambiguity and different writing styles (for example, conventions for use of numbers, abbreviations, etc.)

Pre-requisite: None

Independent Academic Units

Honours College

DURATION OF THE PROGRAMME

The honours programme is a three-year programme running in parallel with the degree programme that the student enrolled at her/his home unit.

CURRICULUM OF THE PROGRAMME

The curriculum is designed to shape high achieving students into globally competitive leaders and intellectual achievers committed to collaborative and creative thinking for Macao and beyond. Integration of the curriculum for the 3 years is with clear continuity. It features components in "Self-Discovery and Leadership", "Study Abroad", and "Honours Project" requiring students to earn 10 Honours credits from the college at University of Macau. Arrangement of the courses and required component are shown below.

Degree Programme at Home Unit	Honours Programme	1st Semester	2nd Semester
Year 1		Application preparation	Application preparation
Year 2	Year 1	HONR 202 Development of Leadership Skills	HONR 201 Self-Discovery
Year 3	Year 2	HONR 301 Leadership from a Global Perspective	Study Abroad
Year 4	Year 3	HONR 400 Honours Project	HONR 400 Honours Project

Honours Students are student ambassadors of the University. They would be asked to serve the University from time to time in various capacities in order to gain more service learning experience.

LANGUAGE OF INSTRUCTION

English is the main language of instruction.

ADMISSION

Students who completed the 1st semester of their freshman year at University of Macau with at least a 3.30 cumulative GPA (Scale 15 for Faculty of Law students) and who are enrolled in full time for the consecutive 2nd semester will be invited to consider applying for the Honours College. Candidates will be assessed based on the academic and extracurricular documents submitted with the application, as well as responses to interview by a panel. Places for the Honours College are highly competitive. Candidates offered admission should demonstrate academic excellence, strong leadership potential, motivation and self-discipline, and a commitment to citizenship and social responsibility.

Ratio of quota between Macao resident and non-Macao resident follows the ratio of the current university undergraduate enrollment.

ACADEMIC REQUIREMENTS

To remain enrolled in the Honours College, a student must satisfy the following requirements:

- Enroll full time study on the degree programme at her/his home unit;
- Enroll honours courses according to the curriculum of the honours programme;
- Earn a "B" or higher grade for each of the honours course taken;
- Maintain a minimum cumulative GPA of 3.00 (Scale 14 for Faculty of Law students);
- Pass every subject taken at the partner University of the Study Abroad semester.

To graduate from the University of Macau with special recognition at congregation and receive a Certificate of Honours College to signify passing of the honours programme, a student must satisfy the following requirements:

- Complete the requirements of the degree programme at her/his home unit;
- Complete the requirements of the honours programme;
- Receive a "B" or higher grade for each of the honours course taken;
- Has cumulative GPA of 3.00 (Scale 14 for Faculty of Law students) or above.

HONOURS RECOGNITION

Upon completion of all requirements of the Honours Programme and the degree programme at their home unit, the honours students will receive special recognition at congregation and a Certificate of Honours College. Honours work is noted on transcripts.

Course Description**HONR201 SELF-DISCOVERY**

(2 credits)

This course focuses on the self discovery process to facilitate students' self-awareness of personal style, values, leadership potential, etc. Group objective focuses on the development of an Honours' College membership identity and team spirit to foster group learning in leadership. Course includes honours seminars delivered by leaders in their fields.

HONR202 DEVELOPMENT OF LEADERSHIP SKILLS

(2 credits)

This course focuses on students' development of leadership skills on campus through small group coaching. Group objective includes peer input and feedback and the planning and implementation of a community project in summer. Course includes honours seminars delivered by leaders in their fields.

HONR301 LEADERSHIP FROM A GLOBAL PERSPECTIVE

(2 credits)

This course focuses on learning cross-cultural skills and leadership from the global perspective. The goal is to prepare students to be a successful exchange student in the study abroad programme. Course includes honours seminars delivered by leaders in their fields.

STUDY ABROAD

Students of the honours programme are required and funded to complete one semester of full time study in another country. Each outbound student is required to complete courses at the destination university equivalent to courses of the degree programme in the corresponding semester at her/his home unit. Students are advised to consult their advisors to plan ahead for courses to be taken in the destination university.

HONR400 HONOURS PROJECT**(4 credits)**

All students of the Honours College are required to complete a one-year honours project that leads to the development a scholarly product. It takes the form of an undergraduate research thesis/creative project mentored by a faculty member in the student's field of study.[†] Students have to present results of their projects at the "Undergraduate Honours Project Symposium" held in the end of each academic year. Resources are available through the funded undergraduate research programme, students are advised to contact advisor of their home faculty to explore opportunities.

- [†] For student whose major programme already requires a final year project, the Honours Project could be complementing the final year project with additional requirement; e.g. to require the writing of an academic paper from the project results for publication in an established conference or a refereed journal.

INDEPENDENT ACADEMIC UNITS

Residential Colleges

The University of Macau's residential college (RC) system is modelled upon successful experience of world-class universities, including University of Cambridge, University of Oxford, Harvard University, Yale University, Princeton University, and The Chinese University of Hong Kong.

Eight residential colleges (RCs) became operational with the move to the new campus in 2014/2015 academic year, namely Chao Kuang Piu College, Cheng Yu Tung College, Choi Kai Yau College, Henry Fok Pearl Jubilee College, Lui Che Woo College, Moon Chun Memorial College, Shiu Pong College, and Stanley Ho East Asia College. Two new RCs, Cheong Kun Lun College, Ma Man Kei and Lo Pak Sam College started in 2016/2017 academic year. Several new Residential Colleges are to be established in the coming years.

A perfect complement to a faculty-based system, the RC system is a vehicle for whole-person education and for helping undergraduates become well-rounded future leaders. Through a curriculum-based approach, RCs offer experiential residential learning to help students acquire soft skills beyond their chosen fields of study.

We aim to produce well-rounded graduates who are intellectually and socially accomplished, and whose self-directed, life-long learning skills equip them to meet the varied and complex challenges of today's and tomorrow's world.

Enquiries:

Chao Kuang Piu College	Tel: (853) 8822 4156
	Fax: (853) 8822 2415
	Email: ckpccollege@umac.mo
	Website: http://ckpc.rc.umac.mo/
Cheng Yu Tung College	Tel: (853) 8822 9363, 8822 9364
	Fax: (853) 8822 2311
	Email: cytcollege@umac.mo
	Website: http://cytc.rc.umac.mo/
Cheong Kun Lun College	Tel: (853) 8822 9500
	Fax: (853) 8822 2453
	Email: cklcollege@umac.mo
	Website: http://cklc.rc.umac.mo/
Choi Kai Yau College	Tel: (853) 8822 9421, 8822 9422
	Fax: (853) 8822 2416
	Email: ckycollege@umac.mo
	Website: http://ckyc.rc.umac.mo/
Henry Fok Pearl Jubilee College	Tel: (853) 8822 4922, 8822 4921
	Fax: (853) 8822 2331
	Email: hfpjcollege@umac.mo
	Website: http://hfpjc.rc.umac.mo/
Lui Che Woo College	Tel: (853) 8822 9300
	Fax: (853) 8822 2353
	Email: lcwcollege@umac.mo
	Website: http://lcwc.rc.umac.mo/

Ma Man Kei and Lo Pak Sam College	Tel: (853) 8822 9500
	Fax: (853) 8822 2453
	Email: mmklpscollege@umac.mo
	Website: http://mmklpsc.rc.umac.mo/
Moon Chun Memorial College	Tel: (853) 8822 9266, 8822 9264
	Fax: (853) 8822 2312
	Email: mcmofficeofthemaster@umac.mo
	Website: http://mcmc.rc.umac.mo/
Shiu Pong College	Tel: (853) 8822 9618
	Fax: (853) 8822 2351
	Email: spc.enquiry@umac.mo
	Website: http://spc.rc.umac.mo/
Stanley Ho East Asia College	Tel: (853) 8822 9319
	Fax: (853) 8822 2434
	Email: sheacollege@umac.mo
	Website: http://sheac.rc.umac.mo/

Residential College System enquiry: rc.enquiry@umac.mo

Website: <http://rc.umac.mo/>

Student Life

Student Life

The Way to UM - New Student Orientation Programme

The Orientation Programme is designed to provide students with a dynamic and informative experience, helping students adapt to the University learning environment, plan their university life, and develop essential skills for success. Through our programme, students will set a foundation for a rewarding university experience at UM.

Student Counselling Service

The Student Counselling Service aims at enhancing students' self-understanding and personal development, empowering students to cope with their issues, facilitating their adjustment to university life, and assisting them in making healthy life changes. The Service provides individual and group counselling to students according to their needs, in areas such as study skills, interpersonal relationship, self-esteem, self-awareness, stress management, emotional management, adjustment to campus life, etc. All counselling information is kept strictly confidential.

SPRING - Psychological Health Ambassador Programme

SPRING is a programme designed to train a group of students to become Psychological Health Ambassadors so that they can promote psychological health and provide better emotional support to their peers in the University.

Student Disability Support Service

The Student Disability Support Service aims at providing appropriate resources to allow each student with a disability to have an equal opportunity to education, university life activities and service at the University of Macau. Students with disabilities include those who have physical, visual, hearing, speech, learning, and psychological impairments which substantially limit their learning and/or activities of daily living. The services are tailor-made to meet the individual needs of students with documented permanent or temporary disabilities.

Service Learning Programme

The programme encourages students to organize and participate in volunteer services, through which students can serve the underprivileged, give back to the society, and engage in out-of-classroom learning. Students will have opportunities to learn and give back to the society by organizing and participating in volunteer services.

Smart Point Scheme

Smart Point (SP) is an incentive scheme that encourages UM students to participate in major activities in the University, thereby broadening their horizons and enhancing their sense of belonging to UM. The more Smart Points (SP) students accumulated, the more chances they are selected to participate in the Summer Programme with a subsidy up to Mop 15,000 or 70% of the total cost.

Whole Person Development Award Programme

The Whole Person Development Award Programme encourages students to participate in different extracurricular activities, cultivating their balanced development in the SPECIAL areas (Social, Physical, Ethical, Career, Intellectual, Art and Leadership). A total of 17 scholarships of MOP5,000 each are available to students with the most outstanding performance in the programme.

UM Distinguished Lecture Series

UM Distinguished Lecture Series is to provide students with an opportunity of learning from distinguished people, broaden students' horizons, and boost their knowledge.

Reading Activity

This activity aims at promoting reading habits, enriching student life and encouraging students to read extra-curricular books, so as to enhance their all-round education which will contribute to their whole-person development. It is also designed to support the "general education" component of UM's '4-component-based' pedagogical model, to nurture well-rounded talents who are erudite and broad-minded.

Alumni Mentorship Scheme

The scheme aims at providing opportunities for students to interact with and learn from alumni. Alumni will act as mentors to share their life experiences, successful stories in academic study and career development.

Corporate Experience Scheme

In order to provide opportunities for students to understand the industry development, work environment and employment market of different industries, Future Studies and Placement Centre (FSPC) organizes corporate visits and tea sessions for students to interact with professionals from various sectors.

Career Advising Service

Students can make appointments for career advising, mock interviews and resume review service in FSPC.

Career Interest Assessment Workshops

The workshops aim at helping students to better understand their occupational interests and characteristics through self-exploration activities and career interest assessments, so students can make more informed decisions about their career development.

Career Training Workshops

The training workshops aim at enhancing students' skills in job hunting and increase their competitiveness in career development.

UM Job-hunting Platform

FSPC liaises with employers and assists students in job searching. The Job Vacancy E-system is an electronic platform for such function. Each year, FSPC organizes Career & Internship Fair and Recruitment Talks, inviting companies and organizations from various sectors to provide students with a broad perspective of the job market, employment and internship opportunities.

Internship

FSPC arranges internship to assist students in obtaining practical experience and skills related to their studies and establish positive contact with prospective employers.

Preparation Courses on Graduate Admission Tests

The courses aim at assisting students to prepare for graduate school admission tests and enhancing their confidence and skills when taking the tests. The courses include TOEFL, IELTS, GRE and GMAT.

Tea with Professors

FSPC invites professors from different faculties to meet students in small groups over tea, giving students guidance and advice on further study and career matters.

Further Study Experience Sharing Sessions

Professors from different faculties and outstanding alumni will share their further study experiences in the sharing sessions, including how to select graduate schools and programmes, as well as to prepare for admission. Students can learn from their experiences and successful stories in graduate study.

Further Study Advising Service

FSPC provides further study advising services that cover advisory sessions, resume and personal statement review to assist students in graduate study preparation. FSPC also connects students with alumni through the UM Alumni Advisory Network – Alumni Online to assist students in getting the first-hand information on overseas graduate study and life as postgraduates.

Further Study Talks

Students can learn the up-to-date information about graduate study in the talks, such as graduate programmes overseas and scholarship opportunities. FSPC also organizes overseas graduate school introduction sessions in which representatives from top universities will share their admission information.

Further Study Workshops

The workshops aim at enhancing students' skills and competitiveness in graduate school admission application.

UM Medical Insurance

UM medical insurance is mandatory for all registered students. The insurance scheme period starts from the registration day to 31 July 2017 and covers out-patient visits and hospitalization benefits. The insurance premium is MOP120 for academic year 2016/2017. For further information about the UM Medical Insurance Scheme, Waiver Guidelines and Exemption Application, please visit the below website

http://www.umac.mo/sao/srs/ss/insurance/en/srs_medical_insurance.php.

Financial Aid

Students with financial difficulties may seek for information and consultation on financial aid resources such as payment of tuition and Postgraduate House residence fee by installment at Student Affairs Office.

Campus Training Programme

Campus Training Programme (CTP) provides students with opportunities to apply knowledge into practical work. There are currently 230 student trainees being assigned to over 20 UM units. They would assist in administrative work, frontline services, computer room management, organizing activities, designing promotion materials, etc. During the year, we would hold different events like team building training, outbound trip, meal meeting and practical workshops. Also, we would hold the Award Ceremony annually to recognize CTP trainees' hard work for the year. For outstanding trainees, they will be subsidized to the summer exchange programme.

Stage Management Programme

Stage Management Programme (SMP) aims to provide students with practical skills and on-job training while studying, so that they can gain more valuable working experience, professional skills and improve their competitiveness. Students are trained with technical skill for stage management including stage set up, backstage coordination, video, audio and lighting control and theatre management at the Student Activity Centre. A number of training workshops and activities will be organized throughout the academic year.

Buddy Programme

SAO co-organizes the Buddy Programme in order to encourage cultural exchange and friendship development among local and foreign exchange students. Local students are recruited as "Buddies" for foreign exchange students who have little knowledge about Macao and China. The local buddies become friends with the exchange students, helping them integrate into the culture and adapt to the new environment. In return, the buddies receive valuable experience and opportunities to learn about different cultures. Whenever possible, level and programme of studies are considered when students are paired up. A number of social and

cultural activities are organized throughout the academic year.

Summer Exchange Programme

Students can participate in various Summer Exchange Programmes in Austria, Belgium, Canada, China, England, Finland, France, Germany, Greece, Hungary, Hong Kong, India, Israel, Japan, Korea, Malaysia, Mongolia, Netherlands, Norway, Poland, Portugal, Russia, Spain, Singapore, Sweden Taiwan and U.S.A. to enhance their English proficiency. At the same time, they can enrich cultural experience and sensitivity by interacting with other international students and visiting famous landmarks in the exchange countries.

Postgraduate House

The Postgraduate House (hereafter referred to as "PGH") consists of 4 buildings (S1, S2, S3 and S4), offering more than 2,600 bed spaces mainly to UM postgraduate students (mainly non-local and exchange students), visiting professors, research staff and guests. All the rooms in the PGH are fully furnished, internet-connected, air-conditioned and with bathrooms, excluding personal necessities and beddings. PGH residents are entitled to the use of communal facilities, including TV rooms, study rooms, computer room, activity rooms, small indoor sport venue and laundry. Various programmes and activities will be designed to foster residents' learning and research.

Locker Rental Service

SAO provides locker rental service. A total of 2,231 lockers are available to students at Central Teaching Building and different faculty buildings on campus. The rental period begins in August and students need to apply for an E-purse Account before they can rent the lockers.

Culture and Arts University Teams

Culture and Arts University Teams (C&A U Teams) aim to enrich student life through debating, public speaking and art aspects. The University offers regular trainings to each team. Team members are eligible to represent the University to join international competitions, performances and exchange activities. Recruitment will be held annually at the beginning of the academic year, interested students are welcome to join the teams. C&A U Teams include:

English Debating Team

The English Debating Team welcomes students who speak fluent English and possess good presentation skills to join. The team provides an excellent opportunity for students to improve their public speaking and persuasion skills. The team has participated in the National English Debating Competition, Australasian Intervarsity Debating Championships, The World Universities Debating Championships and various friendly competitions with other universities in the region. Team members can broaden their horizon and enrich their knowledge through the intervarsity tournaments.

Mandarin Debating Team

The Mandarin Debating Team was established in 2001. Besides friendly debating competitions with universities around the world, the team participates in renowned debating contests such as the Famous China Universities Debating Contest, National Varsity Debating Contest and International Varsity Debating Contest. The team has made a lot of achievements: Champions of the Intervarsity Chinese Debating Tournament, Asia-Pacific Open, China Famous Universities Debating Contest, Zhuhai Varsity Debating Contest and Macao Varsity Debating Contest. The team is also engaged in the promotion of Putonghua in Macao.

Cantonese Debating Team

Communication is an everyday issue for all of us. Aiming at improving presentation skills and establishing critical thinking, the Cantonese Debating Team has regular training and friendly contests with Hong Kong debating teams every year. The team also invited famous debaters to conduct training workshops.

Portuguese Debating Team

Established in 2014, the Portuguese Debating Team aims at promoting Portuguese language campus-wide and at the same time train members debating skills as well as promoting team spirit and collective problem solving abilities among team members. By taking part in debating competitions, the UM Portuguese debating team has the opportunity to compete with their counterparts.

Public Speaking Team

The Public Speaking Team of the University was found in 2008. The team welcomes students who are interested in public speaking, possess good presentation skill and confident in making public speeches. Regular trainings will be offered to team members to help improve their speaking and presentation skills. It is also established with the purpose of providing a chance for English speaking talents to participate in Public Speaking competitions, such as AIA QCCC, CCTV Cup and China Daily "21st Century Cup" National English Speaking Competition.

UM Choir

Established in 2004, UM Choir aims to promote chorus music and provide high-quality music performance for all UM members. At present, UM Choir has around 50 student members from different faculties. At least two concerts will be held annually and we actively perform in the University events and ceremonies.

UM Chinese Orchestra

The UM Chinese Orchestra aims to promote Chinese music in the University. It currently has ten different sessions namely: Er Hu, Pi Pa, Di Zi, Gu Zheng, Liuqin, Ruan, Yangqin, Sheng, Souna and Chinese Percussion. The team welcomes new members with basic skills to join us. The team has regular training on a weekly basis and engage in performances on and off campus. Our repertoire covers a wide range of musical genre from traditional to contemporary musical pieces.

UM Symphonic Band

The UM Symphonic Band is the first and the unique collegiate band in Macao and formed in the spring of 2007. The team has regular rehearsal and performances at different occasions throughout the academic year. The Band provides a platform to band enthusiasts to perform and exchange as well as to promote UM culture development of local band music.

UM String Orchestra

The UM String Orchestra was founded in December 2009 and welcomes students who are music enthusiasts and have knowledge on orchestra music to join. It currently has 5 sessions: 1st Violin; 2nd Violin; Viola, Cello and Double Bass. The team offers regular training to improve members' performance skills and participate in various internal and external performances throughout the academic year.

Dance Troupe

The UM Dance Troupe was established in October 2014. It consists of 20 students from different faculties. UM Dance Troupe aims to enrich the dance culture in UM and provide high-quality performances for all UM members. The team holds at least two showcases annually and actively perform in various university events.

Student Activity Centre

Student Activity Centre is a multi-purpose building located in the centre of University of Macau. It houses office and conference room of the Student Affairs Office and University of Macau Students' Union (UMSU); practice rooms and offices of C&A U Teams; 2 student-run shops and various venues for student activities including a 243-seat theatre, an outdoor plaza, an exhibition gallery, a recreation room (Student's Corner), meeting rooms, multi-function hall and multi-function rooms. A wide range of student activities and cultural events will be held year

around, including music concerts, dance performances, talent shows, various type of competitions, film screenings, and many more!

Student Organizations and Development

To facilitate the operation and development of student organizations, we give advice on the organization of student activities, provide support on resources and funding for student organizations. We also provide training, development activities, student leadership seminars and cultural exchange trips to help students become well rounded individuals and their competence. Operating student organizations offers a wide variety of opportunities for students to enhance their academic and social life on campus via involvement, leadership, and empowerment. These experiences nurture campus pride and student success to advance an inclusive and fruitful community.

The University of Macau Students' Union

The University of Macau Students' Union (UMSU) was established on 29 March, 1993. Its office is located at Student Activity Centre (E31-1014). UMSU organizes extracurricular activities for students, aiming at enriching students' campus life. The University encourages students to actively participate in UMSU's activities and act as cabinet members of UMSU or its sub-organizations. All UM students can join UMSU and its sub-organizations but may be subject to different membership fees.

There are currently more than 70 sub-organizations under UMSU, offering tailor-made services to suit the needs of students from different faculties, with different interests and demands.

- Academic Association
- Accounting Society
- American Society of Civil Engineers International Student Group, Department of Civil and Environmental Engineering at UM, University of Macau Students' Union
- Animation and Comic Society
- Astronomical Society
- Boarders' Communication Students' Association
- Buddhist Society
- Catholic Society
- Cantonese Debate Team
- Chess Society
- China Mainland Students' Association
- China Study Society
- Christian Fellowship
- Cocktail and Coffee Learning Society
- Committee on Youth Summit
- Communication Society
- Cooking Society
- Culture and Recreation Association
- Computer Society
- Drama Society
- Economics Society
- English Debating Society
- English Society
- Entrepreneurship Society
- FAHSA - Faculty of Arts and Humanities Students' Association
- FBASA - Faculty of Business Administration Students' Association
- FEDSA - Faculty of Education Students' Association
- FHSSA - Faculty of Health Science Students' Association
- FLLSA - Faculty of Law Students' Association
- FSHSA - Faculty of Social Sciences Students' Association
- FSTSA - Faculty of Science and Technology Students' Association
- Finance Society

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- Geography Studies Association
 - Graduation Committee
 - Guitar Association
 - History Association
 - Honours College Student' Association
 - Ichiban Club
 - The Institute of Engineering and Technology, Hong Kong, Younger Members Section, Macao Students Section IEEEInstitution of Mechanical Engineer Student Member Division of University of Macau Students' Union
 - International Film Society
 - Korean Culture Club
 - Literature Club
 - Love Portuguese Society
 - Magic Society
 - Mandarin Debating Society
 - Marketing Society
 - Mathematics Society
 - Model United Nations Association
 - Music Society
 - Philosophy Association
 - Photography Society
 - Psychological Society
 - Rotaract Club
 - Sociology Association
 - Spanish Society
 - Sports Association
 - ◆ American Football Club
 - ◆ Badminton Club
 - ◆ Basketball Club
 - ◆ Canoe Club
 - ◆ Cycle Society
 - ◆ Dance Society
 - ◆ Dragon Boat Club
 - ◆ Fencing Club
 - ◆ Football Club
 - ◆ Handball Soceity
 - ◆ Karate Club
 - ◆ Korfbal Club
 - ◆ Martial Arts Club
 - ◆ Rock Climbing Club
 - ◆ Soccer Association
 - ◆ Shooting Club
 - ◆ Soft Tennis Club
 - ◆ Squash Club
 - ◆ Table Tennis Club
 - ◆ Taekwondo Club
 - ◆ Tennis Club
 - ◆ Track & Field Club
 - ◆ Volleyball Club
 - The Macao Institution of Engineers Student Members Division of University of Macau Students' Union
 - Tourism, Convention and Hospitality Society Toastmasters Club
 - Traditional Chinese Cultural Society
 - Volunteers Society
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The University of Macau Postgraduate Association

The University of Macau Postgraduate Association (UMPA) was founded in July, 2005. Its office is located at Student Activity Centre (E31-1022). It aims at promoting a benign academic and cultural environment in accordance with the University Motto “Humanity, Integrity, Propriety, Wisdom and Sincerity”; advancing the all-rounded development of UM postgraduate students; enhancing the academic and cultural exchanges among postgraduates and undergraduates; tightening relationships with other associations in UM, Macao and abroad.

There are currently 13 sub-organizations under UMPA:

- AIESEC - Association Internationale des Etudiants en Sciences Economiques et Commerciales
- Calligraphy Club
- Communication and New Media Society
- Criminological Society
- Dormitory Postgraduates' Society
- Faculty of Law Postgraduate Association
- Faculty of Science and Technology Postgraduate Association
- Health Sciences PhD Society
- Institute of Chinese Medical Sciences Postgraduate Association
- Jing Hai Poetry Society
- UM Mirror Newspaper Office
- YAIA – Youth Association of International Affairs
- Society of Literature Theory in South China

Academic Support Services

ACADEMIC SUPPORT SERVICES

Centre for Teaching and Learning Enhancement

The Centre for Teaching and Learning Enhancement (CTLE) is an academic support unit under the Vice Rector for Academic Affairs (VRAA) that works with Faculties, Centres, Departments, Residential Colleges, Student Affairs Office, Academic Affairs Office, academic staff and students to enhance teaching and learning. CTLE sponsors teaching and learning workshops and seminars by UM staff and visiting experts who share their expertise and insights on teaching and learning. CTLE works to identify and recognize exemplary teaching and educational initiatives. CTLE works closely with Information and Communication Technology Office (ICTO), academic units, Library and Residential Colleges to help academic staff in the use of technologies for enhancing student learning and engagement. The staff at CTLE maintain the CTLE website [ctle.umac.mo] which provides a one-stop informational resource on workshops, e-Learning tools, learning communities, teaching and learning resources and UM-Moodle. CTLE organizes an ongoing series of conversations and workshops on using Moodle and other e-learning platforms for more effective and efficient teaching. CTLE organizes twice yearly full-day workshops on teaching and learning for new academic staff. CTLE works to promote the University of Macau within Greater China, Southeast Asia and the Western World.

Major Functions of the Centre

- To provide workshops, forums and learning communities that enable continued professional development of academic staff with respect to learner-centered scholarly-reflective teaching, e-learning and innovated use of mobile technologies for enhanced student learning and engagement.
- To work closely with the VRAA Office in developing and promoting initiatives directed at improving teaching and learning.
- To develop, review and evaluate teaching and learning policies and practices at UM.
- To assist and support academic staff, ICTO and Library in the development and use of e-learning technologies to improve pedagogies, assessments and student engagement activities that enhance teaching and learning.
- To work with Residential Colleges to help them integrate and evaluate academic components into their programmes.
- To work with Faculties and academic units in implementing outcome-based teaching and learning (OBTL).
- To provide professional development programmes that help faculty improve their understanding and approaches to learner-centered teaching.
- To support individuals, projects and educational programmes that embodies excellence in teaching and learning.
- To provide advice, consultation, research and related professional services for academic staff related to teaching and learning.
- To be a regional resource and hub for faculty development with respect to teaching and learning in East Asia.

Information and Communication Technology Office

The Information and Communication Technology Office (ICTO) has offices located primarily in Central Teaching Buildings and Administration Building, and provides general computing services to all staff and students of the University. The Office is organized to serve three main functions:

1. Academic Computing and Technology Services Section (ACTS) provides information technology (IT) facilities for general teaching, learning and research activities; explores and promotes the use of most suitable IT in the University; adopts or develops IT systems that facilitate the management of teaching and living facilities in campus;
2. Infrastructure and User Services Section (IUS) provides IT and communication infrastructure for the University; and provides general office IT facilities and support service;
3. Information Management Section (IMS) develops information systems and supports the administrative functions of the University.

There are computing facilities provided by ICTO at Central Teaching Building E6 for academic purposes:

- On 2/F and 3/F: There are 6 computer rooms for conducting general education and computer literacy related courses. They are located at room E6-2092, E6-2093, E6-2095, E6-3092, E6-3093 and E6-3094. These computer rooms are equipped with personal computers installed with Windows 7 operating system and general application software. Computer rooms E6-3092, E6-3093 and E6-3094 are open 24 hours, other rooms are open Monday to Saturday from 07:30 to 24:00 (excluding public holidays). All computer rooms run unattended on Saturdays, Sundays, public holidays, and during non-office hours.
- On 1/F: There are 5 multimedia personal computer rooms E6-1091d, E6-1091e, E6-1091f, E6-1091g and E6-1091h. These rooms are equipped with professional software and hardware. Students can edit and do the post-production on multimedia files as well as output them into computer and Internet playable format.
- On G/F: Notebook loaning service for students is available at service counter, room E6-G094. In the same area, there are some fast access computers for printing purpose.

In order to make the best possible use of the computing facilities and services, ICTO regularly offers training courses to our staff and students on the use of our computing facilities.

The UM Campus Card is a multi-purpose smart card. It is issued to staff members as Staff ID Card by the Human Resources Office, and to students as Student ID Card by the Registry and the Graduate School. Just like a traditional student or staff ID card, your name, photo, student or staff number and library ID are printed on the card. Some data such as your name, student or staff no., is stored on the embedded microprocessor chip. In addition to being an identification card, the UM Campus Card can be used as a facility access card, a library card, a staff medical card, and an electronic purse.

All current staff and students of the University of Macau are eligible to have their own set of computer accounts for the general computing systems managed by ICTO. These computer accounts allow you to run PC applications, to use printing service and to access your email.

ICTO provides the following systems to facilitate teaching and learning:

- UMMoodle (ummoodle.umac.mo) provides a platform for teachers to post teaching materials and conduct online teaching activities. Students can have self-learning, online testing, lecture discussions, assignment submission and keeping track of learning progress.
- ePortfolio (eportfolio.umac.mo) is a web application that allows users to record and share evidence of learning.
- Community (community.umac.mo) provides various activity modules for assisting the management of attendance records and facilitate information sharing for academic research projects.

At present, the campus network encompasses all buildings on campus. The login standard is 802.1x secure network authentication. It provides more secure network environment for all authorized users. In addition, the wireless network covers most of the buildings including UM Wu Yee Sun Library, Central Teaching Buildings, Administration Building, faculties and residential areas etc. To increase wireless network speed and improve reliability of wireless transmissions, all access points support 802.11n standard as well.

Adding value to our campus network, the University organizes "Notebook computer promotion programme" which aims to encourage mobile computing on campus.

General consultation and assistance in using facilities and services is available from ICTO Help Desk at room E5-2085 of Central Teaching Building. For more information about ICTO, please visit our homepage at <http://www.umac.mo/icto/>.

Wu Yee Sun Library – An Academic Library of the 21st Century

The University of Macau Library has moved into the current “University of Macau Wu Yee Sun Library” building in July 2014. Standing in the forefront and occupying a very central location of the new campus, and surrounded by a man-made lake and a man-made river, the Library is the landmark building of the whole campus. The main entrance, facing the Library Square, connects with the Central Teaching Building and Faculties through corridors and bridges. The Library is a magnificent building of 7 floors with two lower wings on its sides. The size of the new library is about 30,000 square meters, and is projected to hold one million volumes of books and journals, and to provide some 3,000 seats. The Library was designed by Professor He Jingtang (何鏡堂教授), Academician of the Chinese Academy of Engineering. In tune with the design principles of the UM campus, it combines the best features of the Chinese and Western cultural elements in its exterior. Looking from outside, it exudes learning and scholarship, just like any great university library anywhere in the world, and at the same time, it projects warmth and beams welcome on its visitors.

The interior of the Library has an atrium lobby with natural sunlight. There is a sky garden located on the second floor. The sky garden area is decorated with a large number of plants and flowers, infusing natural elements into the reading atmosphere. The hanging round-shape exhibition hall located on the fifth floor contrasts with the square-shape atrium lobby on the ground floor. In Chinese tradition, this kind of contrast is known as 「天圓地方」 (“round sky and square land”), representing the whole world. This also implies that the Library holds comprehensive and large amount of collections from all over the world.

With over thirty years of development, the Library has become the largest library in Macao. At this moment, the Library holds a collection of over 7.8 million pieces/items, which includes about 650,000 books, 6,000 titles of periodicals, 24,000 rare books, 26,000 items of AV materials, 1,000 paintings/antiques, 3,000 items of special collections and 7,000 rolls of microfilms. With the rapid development of web services, the Library has acquired quite a number of electronic resources, which includes about 300 e-databases, 500,000 e-books, 6,530,000 e-theses, 4,000 titles of e-newspapers and 100,000 titles of e-journals.

The Library continues to integrate the use of innovative technologies into traditional library services, and apply the pioneering and innovative concepts to its functions. Currently, the Library is using UHF system to manage its book collections. In addition, the books are not simply shelved strictly according to the classification scheme. Instead, they are grouped and shelved in clusters by their subjects. This facilitates better use of the collection and makes it easier for readers to use the collection.

The Library also encourages and emphasizes on discussion, sharing and interaction among students. With easy accessibility of information on the web, libraries these days have to become places for collaborative learning and interaction among their readers. To achieve this aim, the Library provides a large number of group discussion rooms installed with state-of-the-art equipment. In addition, there will be some informal discussion and interaction spaces throughout the Library for students to socialize, interact, and to learn from each other. The Library has established a 24-hour reading area, which is first of its kind in Macao. This 24-hour Reading Area is furnished with flexible and movable furniture, allowing readers to combine and move them freely according to their needs.

However, the Library also has to cater to the needs of other readers who may prefer individual study and, therefore, a quieter environment. For this, the Library is divided up into several different zones to take care of the different requirements of its users. Some parts of the Library are designated as the silent zone, where serious and scholarly study may be conducted. And some parts of the Library are made into semi-silent zone, where students may study with their friends and generate some discussion whereas other readers just regard the noise thus generated as background noise.

In summary, to support the overall development of the university's teaching, learning and research, and consider the development trend of higher education on the importance of collaborative learning, the Library is designed with a new and open concept, aiming to let teachers and students experience a brand new way of learning and acquiring information.

Research Centres and Laboratories

RESEARCH CENTRES AND LABORATORIES

Research Centres

- **BUSINESS RESEARCH AND TRAINING CENTRE**
DIRECTOR 主任
Peng Chun VONG 黃炳銓
BSc, MSc, University of Missouri (Rolla); MBA, University of Missouri (St. Louis)

- **CANCER CENTRE**
DIRECTOR 主任
Chuxia DENG 鄧初夏
B.S., West China Normal University; M.S., Institute of Hydrobiology, Academia Sinica;
Ph.D., University of Utah

- **CENTRE FOR EARLY CHILDHOOD EDUCATION AND CHILD DEVELOPMENT**
DIRECTOR 主任
Bi Ying HU 胡碧穎
BS, MEd, PhD, University of Central Florida

- **CENTRE FOR ENGINEERING RESEARCH AND TESTING**
DIRECTOR 主任
Wai Kwok LO 盧偉國
MSc, National Cheng Kung University

- **CENTRE FOR INFORMATION AND COMMUNICATION TECHNOLOGY IN EDUCATION**
DIRECTOR 主任
Jianxia DU 杜建霞
BA, Southwest University at Chongqing; MA, PhD, University of Illinois at Urbana-Champaign

- **CENTRE FOR LAW STUDIES**
DIRECTOR 主任
Manuel Marcelino ESCOVAR TRIGO 尹思哲
LLB, LLM, University of Coimbra

- **CENTRE FOR STUDY OF TRANSLATION-INTERPRETING AND COGNITION**
DIRECTOR 主任
Defeng LI 李德鳳
BA, MA, Nanjing Normal University; PhD, University of Alberta, Canada

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- **CENTRE OF REPRODUCTION, DEVELOPMENT AND AGING**
DIRECTOR 主任
Wei GE 葛偉
B.Sc., Nanjing University; M.Sc., Institute of Hydrobiology, Academia Sinica; Ph.D., University of Alberta

 - **EDUCATIONAL RESEARCH CENTRE**
DIRECTOR 主任
Mingming ZHOU 周明明
BA, Northeastern University; MA, University of Leuven; PhD, Simon Fraser University

 - **EDUCATIONAL TESTING AND ASSESSMENT RESEARCH CENTRE**
DIRECTOR 主任
Kwok Cheung CHEUNG 張國祥
BSc, MEd, University of Hong Kong; PhD, University of London

 - **GREATER CHINA CENTRE FOR PRIVATE EQUITY**
CO-DIRECTORS 聯席主任
Mobley, William H. 茅博勵
BA in Psychology and Economics, Denison University; PhD in Organizational Psychology, University of Maryland
Adjunct Chair Professor of Management, Faculty of Business Administration, University of Macau

Kwek Ping YONG 楊國平
B.Eng, Nanyang Technological University; MBA, University of Hull

 - **INSTITUTE FOR ADVANCED LEGAL STUDIES**
ACTING DIRECTOR 代主任
Tu Guangjian 涂廣建
Diploma of Law, Zhejiang University; Bachelor of Medicine in Forensic Medicine, Tong Ji Medical University; LLM, PhD, University of Aberdeen

 - **INSTITUTE FOR THE STUDY OF COMMERCIAL GAMING**
DIRECTOR 主任
Ka Chio FONG, Davis 馮家超
BBA, MBA, University of Macau; PhD, Tsinghua University

 - **INSTITUTE OF GLOBAL AND PUBLIC AFFAIRS**
DIRECTOR 主任
Jianwei WANG 王建偉
BA, MA, Fundan University; PhD, University of Michigan

- **RESEARCH CENTRE FOR HUMANITIES IN SOUTH CHINA**
ACTING DIRECTOR 代主任
Shoutong ZHU 朱壽桐
BA, Suzhou University; MA, PhD, Nanjing University

- **RESEARCH CENTRE FOR LUSO-ASIAN STUDIES**
DIRECTOR 主任
Inocência MATA
MA, PhD University of Lisbon

- **RUSSIAN CENTRE**
CO-DIRECTOR 副主任
Liudmila GUBAREVA
MA, M. Lomonosov Moscow State University

- **SOCIAL SCIENCE RESEARCH CENTRE ON CONTEMPORARY CHINA**
DIRECTOR 主任
To be confirmed 待定

Laboratories

The University continuously puts in resources to develop various laboratories according to the needs for course development, teaching and research. The various laboratories are listed as follows:

List of Laboratories

Biomedical Sciences Laboratories

- Animal Facility
- Bioimaging Core
- Drug Development Core
- Genomics and Bioinformatics Core
- Histopathology Core
- Induced Pluripotent Stem Cells (iPSC) Core
- Metabolomics Core
- Proteomics Core
- Single Cell & Gene Expression Analysis Core
- Transgenic and Knockout Core

State Key Laboratories

- The State Key Laboratory of Analog and Mixed-Signal VLSI
- The State Key Laboratory of Quality Research in Chinese Medicine

Science and Technology Laboratories

- Analog Electronics Laboratory
- Antenna and Electromagnetic-Wave Laboratory
- Automation Laboratory
- Automotive Engineering Laboratory
- Big Data Processing Laboratory
- Biomedical Engineering Laboratory
- Biomedical Imaging Laboratory
- Biotechnology Laboratory
- Chemistry Laboratory
- Chromatographic Analysis Laboratory
- Computational Biology and Bioinformatics (CBBio) Laboratory
- Computational Electromagnetics Laboratory
- Computational Engineering Laboratory
- Computer Aided Civil Engineering Laboratory
- Computer Graphics and Multimedia Laboratory
- Control Laboratory
- Construction Materials Laboratory
- Corrosion & Metallography Laboratory
- Data Analytics and Collaborative Computing (DACC) Laboratory
- Data-Driven Intelligent Systems Laboratory
- Distributed Systems Laboratory
- Dynamics and Monitoring Laboratory
- E-Commerce Technology Laboratory
- E-Home Healthcare Engineering Laboratory

- Electric Power Engineering Laboratory
- Electrical Machines and Drives Laboratory
- Electricity Utilization Laboratory
- Electronics Workshop
- Embedded Systems Laboratory
- Environmental Biotechnology Laboratory
- Environmental Engineering Laboratory
- Extraction and Purification Laboratory
- Geomechanics Laboratory
- Geo-modelling & Wave Laboratory
- Geotechnical Engineering Laboratory
- Green Energy Materials Laboratory
- Hydraulics Laboratory
- Image Processing and Pattern Recognition Laboratory
- Industrial Engineering Laboratory
- Information Intelligent Visual Perception Laboratory
- Innovative Design and Integrated Manufacturing Laboratory
- Knowledge and Data Engineering Laboratory
- Laser and Optics Laboratory
- Laser Processing Laboratory
- Machine Workshop
- Mathematics Laboratory 1
- Mathematics Laboratory 2
- Measurement and Instrumentation Laboratory
- Mechanical Characterisation and Testing Laboratory
- Mechatronics Laboratory
- Medical Information Laboratory
- Microelectronics Laboratory
- Motion Capture Laboratory
- Natural Language Processing & Portuguese-Chinese Machine Translation Laboratory
- Natural Sciences Teaching Laboratory
- Pharmaceuticals Laboratory
- Pharmacology Laboratory
- Physics Laboratory
- Phytochemistry Laboratory
- Quality Control Laboratory
- Scanning Electron Microscope (SEM) Laboratory
- Sensor-based Cooperative Robotics Laboratory
- Sensor Network and Communication Laboratory
- Signal Processing and Communication Laboratory
- Smart and Micro/Nano Systems Laboratory
- Smart Environment & Cybernetics System Laboratory
- Software Engineering Laboratory
- Software Technology Laboratory
- Solar Energy Laboratory
- Stochastic Mechanics Laboratory
- Strength of Materials Laboratory
- Structures Laboratory
- Surveying Laboratory
- Thermal Engineering Laboratory
- Transportation Engineering Laboratory
- Vision and Image Processing Laboratory
- Visual Information Processing Laboratory
- Wireless Technology Laboratory

Other Laboratories

- Accounting and Information Management Laboratory I
- Behavioral Research Laboratory
- Black Box Theatre
- Creative Media Lab
- Conference Room/SI Lab
- Finance and Economics Laboratory
- ISCG Gaming Laboratory
- Hospitality Laboratory
- Social Sciences Survey Lab
- Thomson Reuters Trading Room

Appendices

Honorary Degrees and Titles

Honorary Degrees and Titles

1984	Ho Yin 何賢	Doctor of Business Administration <i>honoris causa</i>
	Vasco de Almeida e Costa	Doctor of Public Administration <i>honoris causa</i>
	J.M. Toscano Rico	Doctor of Philosophy <i>honoris causa</i>
	Stanley Ho Hung-Sun 何鴻燊	Doctor of Social Sciences <i>honoris causa</i>
	Jorge A.H. Rangel	Doctor of Letters <i>honoris causa</i>

1985	Ma Man-Kei 馬萬祺	Doctor of Business Administration <i>honoris causa</i>
	Sir Run Run Shaw 邵逸夫	Doctor of Social Sciences <i>honoris causa</i>
	Monsenhor Manuel Teixeira	Doctor of Letters <i>honoris causa</i>

1986	Cheng Yu-Tung 鄭裕彤	Doctor of Business Administration <i>honoris causa</i>
	D. Arquímínio Rodrigues da Costa	Doctor of Philosophy <i>honoris causa</i>
	Eduardo de Arantes e Oliveira	Doctor of Philosophy <i>honoris causa</i>
	Chou Wen-Hsien 周文軒	Doctor of Social Sciences <i>honoris causa</i>
	Chui Tak-Kei 崔德祺	Doctor of Social Sciences <i>honoris causa</i>

1987	Carlos Augusto Pulido Valente Monjardino	Doctor of Business Administration <i>honoris causa</i>
	Lee Shau Kee 李兆基	Doctor of Business Administration <i>honoris causa</i>
	Yung Yau 翁祐	Doctor of Business Administration <i>honoris causa</i>
	John Horlock	Doctor of Science <i>honoris causa</i>
	Qian Wei-Chang 錢偉長	Doctor of Science <i>honoris causa</i>
	Thomas Neil Morris Waters	Doctor of Science <i>honoris causa</i>
	Fei Xiaotong 費孝通	Doctor of Social Sciences <i>honoris causa</i>
	Jack Austin	Doctor of Social Sciences <i>honoris causa</i>
	Joaquim Pinto Machado	Doctor of Social Sciences <i>honoris causa</i>
	Fernando Alves Cristovão	Doctor of Letters <i>honoris causa</i>
	Ma Lin 馬臨	Doctor of Letters <i>honoris causa</i>
	Henry A. Kissinger	Doctor of Law <i>honoris causa</i>
	Lord Asa Briggs	Doctor of Law <i>honoris causa</i>
	Lord Kadoorie	Doctor of Law <i>honoris causa</i>
	Pierre E. Trudeau	Doctor of Law <i>honoris causa</i>
	Rayson Huang 黃麗松	Doctor of Law <i>honoris causa</i>

1989	Ye Xuanping 葉選平	Doctor of Public Administration <i>honoris causa</i>
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1991	Charles Boxer	Doctor of Letters <i>honoris causa</i>
	José Augusto Seabra	Doctor of Letters <i>honoris causa</i>
	Peter Y. L. Eng 吳毓璘	Doctor of Social Sciences <i>honoris causa</i>
	Daisaku Ikeda 池田大作	Honorary Professor

1992	Hsueh Shou Sheng 薛壽生	Doctor of Social Sciences <i>honoris causa</i>
1993	Mário Alberto Nobre Lopes Soares	Doctor <i>honoris causa</i>
	João de Matos Antunes Varela	Doctor of Law <i>honoris causa</i>
	João José Rodiles Fraústo da Silva	Doctor of Social Sciences <i>honoris causa</i>
1995	Li Tianqing 李天慶	Doctor <i>honoris causa</i>
	Rui Nogueira Lobo de Alarcão e Silva de Alarcão	Doctor <i>honoris causa</i>
	Daisaku Ikeda 池田大作	Doctor of Social Sciences <i>honoris causa</i>
1998	Joaquim Alberto Chissano	Doctor <i>honoris causa</i>
	Leung Pai Wan 梁披雲	Doctor of Arts <i>honoris causa</i>
	Wei Yu 韋鈺	Doctor of Education <i>honoris causa</i>
	Eduardo Arantes e Oliveira	Doctor of Engineering <i>honoris causa</i>
2000	Wang Dazhong 王大中	Doctor of Science <i>honoris causa</i>
2002	Yau Shing Tung 丘成桐	Doctor of Science <i>honoris causa</i>
	Joseph Stiglitz	Doctor of Social Sciences <i>honoris causa</i>
2004	João Malaca Casteleiro	Doctor of Letters <i>honoris causa</i> & Honorary Professor
	Jao Tsung-I 饒宗頤	Doctor of Humanities <i>honoris causa</i> & Honorary Professor
	Liu Chung Laung 劉炯朗	Doctor of Science <i>honoris causa</i> & Honorary Professor
	James Mirrlees	Doctor of Social Sciences <i>honoris causa</i> & Honorary Professor
2005	Yum-Tong Siu 蕭蔭堂	Honorary Professor
2006	João Ruiz de Almeida Garrett	Doctor of Law <i>honoris causa</i>
	Han Qide 韓啟德	Doctor of Science <i>honoris causa</i>
	José de Albuquerque Epifânio da Franca	Doctor of Science <i>honoris causa</i>
	Paul Ching-Wu Chu 朱經武	Doctor of Science <i>honoris causa</i>
	Su-Seng Pang 彭樹成	Doctor of Science <i>honoris causa</i>
	Yum-Tong Siu 蕭蔭堂	Doctor of Science <i>honoris causa</i>

2008	William Richard Eadington	Doctor of Business Administration <i>honoris causa</i>
	Li Zhaoxing 李肇星	Doctor of Humanities <i>honoris causa</i>
	Henrique Rodrigues de Senna Fernandes	Doctor of Letters <i>honoris causa</i>
	Alfred Yiu Fai Wong 黃耀輝	Doctor of Science <i>honoris causa</i>

2009	Gu Mingyuan 顧明遠	Doctor of Education <i>honoris causa</i>
	Tu Weiming 杜維明	Doctor of Humanities <i>honoris causa</i>
	Wang Meng 王蒙	Doctor of Letters <i>honoris causa</i>
	George Herbert Walker Bush	Doctor of Social Sciences <i>honoris causa</i>
	Franco Maloberti	Honorary Professor

2010	Lancelote Miguel Rodrigues	Doctor of Humanities <i>honoris causa</i>
	Xu Jialu 許嘉璐	Doctor of Humanities <i>honoris causa</i>
	Wang Xiaodong 王曉東	Doctor of Science <i>honoris causa</i>
	Wong King Keung 黃景強	Doctor of Social Sciences <i>honoris causa</i>

2011	Louis Cha 查良鏞	Doctor of Letters <i>honoris causa</i>
	Lei Seng Chon 李成俊	Doctor of Humanities <i>honoris causa</i>
	Francisco J. Ayala	Doctor of Science <i>honoris causa</i>
	Chia-Wei Woo 吳家瑋	Doctor of Social Sciences <i>honoris causa</i>

2012	Master Hsing Yun 星雲大師	Doctor of Humanities <i>honoris causa</i>
	Andrew Chi-Chih Yao 姚期智	Doctor of Science <i>honoris causa</i>
	Arden Lee Bement, Jr.	Doctor of Science <i>honoris causa</i>
	Ambrose So Shu Fai 蘇樹輝	Doctor of Social Sciences <i>honoris causa</i>

2013	Jiang Shusheng 蔣樹聲	Doctor of Education <i>honoris causa</i>
	Xue Hanqin 薛捍勤	Doctor of Law <i>honoris causa</i>
	Yu Kwang Chung 余光中	Doctor of Letters <i>honoris causa</i>
	Sérgio Machado dos Santos	Doctor of Science <i>honoris causa</i>

2014	Robert C. Merton	Doctor of Business Administration <i>honoris causa</i>
	Mo Yan 莫言	Doctor of Letters <i>honoris causa</i>
	Chen-Ning Franklin Yang 楊振寧	Doctor of Science <i>honoris causa</i>
	Lee Chack Fan 李焯芬	Doctor of Science <i>honoris causa</i>
	Siu Yin Wai 邵賢偉	Doctor of Science <i>honoris causa</i>

2015	Ma lao Lai 馬有禮	Doctor of Business Administration <i>honoris causa</i>
	Lap-Chee Tsui 徐立之	Doctor of Education <i>honoris causa</i>
	Pai Hsien-yung 白先勇	Doctor of Letters <i>honoris causa</i>
	Mario R. Capecchi	Doctor of Science <i>honoris causa</i>
	Zhong Nanshan 鍾南山	Doctor of Science <i>honoris causa</i>

*Arrangements of Classes
and Final Examinations
during
Typhoons or Rainstorms
in Macao*

Arrangements of Classes and Final Examinations during Typhoons or Rainstorms in Macao

(Approved by the Senate on 1 April 2015)

- **Tropical Cyclone Signal No.1 or No. 3**

When Tropical Cyclone Signal No. 1 or No. 3 is hoisted, all classes and final examinations will be held as scheduled.

- **Tropical Cyclone Signal No. 8 (or above) or Rainstorm Warning Signal**

When Tropical Cyclone Signal No. 8 (or above) or Rainstorm Warning Signal is hoisted or cancelled, the following arrangements will be made for classes and final examinations:

When the signal is hoisted	<u>Indoor</u> Classes/Final Examinations beginning at the following time slots will be cancelled
Before the activity starts	
At or after 6:30 a.m.	Before 2:00 p.m.
At or after 12:00 n.n.	At or after 12:00 n.n. but before 6:00 p.m.
At or after 4:00 p.m.	At or after 4:00 p.m.
During the activity	All classes will be suspended immediately. All final examinations will continue till their end as scheduled.
When the signal is cancelled	<u>Indoor</u> Classes/Final Examinations beginning at the following time slots will be held as scheduled
At or before 6:30 a.m.	All classes and examinations will be held as scheduled.
At or before 12:00 n.n.	At or after 2:00 p.m.
At or before 4:00 p.m.	At or after 6:00 p.m.
After 4:00 p.m.	All classes and final examinations of that day will be cancelled.

1. When Tropical Cyclone Signal No. 8 (or above) or Rainstorm Warning Signal is hoisted, all the outdoor teaching activities on that day will be cancelled. If the signal is hoisted at any time while the outdoor teaching activities are taking place, they will be suspended immediately. The staff responsible should take all students to a safe place and make sure that it is safe for them to leave.
2. Academic units will announce arrangements for final examination postponement on their webpages.
3. The above arrangements are not applicable to the practicum or internship courses. Students who are doing these courses should follow the related arrangements and guidelines of the host organization.

Guidelines for Student Conduct in the Classrooms

Guidelines for Student Conduct in the Classrooms

(Approved by the University Senate Pedagogic Council on 14 May 2004)

The classrooms are for teaching and learning. Students should pay attention to the lecture and participate actively during the lecture. Students must strictly adhere to the following rules:

- Be punctual and attend the full lecture;
- Be quiet;
- Turn off mobile phones and pagers. These devices are not to be used during class.
- Don't move about or leave the classroom during the lecture unless you have permission of the teacher;
- No smoking;
- No drink or foods;
- Avoid all unauthorized activity that interferes with or interrupts teaching and learning.

If a student violates any of the above rules, he/she will receive a warning from the teacher. The teacher may also ask a student guilty of misconduct to leave the class immediately and may further report the incident to the Head of the Academic Unit concerned for consideration of disciplinary action.

*Acceptable Use Policy
- ICTO Computing
Facilities, Campus
Network and Internet*

Acceptable Use Policy

- ICTO Computing Facilities, Campus Network and Internet

The purpose of this policy is to ensure that the usage of the above services is consistent with the highest administrative academic and research standards and practices.

1. Unless otherwise agreed, a User's right to use the services is not transferable and is subject to any and all limits or restrictions established by the Information and Communication Technology Office (ICTO) on behalf of the University of Macau.
2. ICTO reserves the right to suspend and/or terminate any user's access privileges at anytime, with or without notice to the user. In practice, this would only occur in cases where the user had failed to comply with the University's requirements regarding the manner and type of usage made of the subject services as laid down in this document and related computer facilities regulations.
3. The facilities are available for use by all full time academic staff, administrative staff, and registered students, on the strict understanding that they are to be used solely in the pursuit of academic and administrative activities for the University of Macau.
4. Use of the subject services shall:
 - 4.1 Be consistent with the academic and research purposes and goals of the University.
 - 4.2 Avoid interference with the academic and research work of other users, both local and/or remote.
 - 4.3 Avoid disruption of, or interference with, host systems and/or nodes on any of the local and/or remote networks accessible by virtue of having access privileges to the university's Internet services.
 - 4.4 Avoid disruption of, or interference with, the network services made available for the benefit of other users.
 - 4.5 NOT in any way be made in order to obtain personal, financial, or commercial gain.
5. Examples of activities prohibited under the foregoing regulatory guidelines include, but are not limited to:-
 - 5.1 Sending and/or requesting receipt of messages and/or material likely to cause offense, or damage/loss to the work of others, or in extreme cases, systems on the network.
 - 5.2 Commercial activities such as marketing; reselling of user privileges; business transactions with and/or between commercial organisations.
 - 5.3 Advertising of any kind is strictly forbidden.
 - 5.4 Any communication which violates applicable local laws.
 - 5.5 "Chain letters", "broadcast" messages, etc. which are likely to cause congestion of the network(s), and/or otherwise interfere with the work of others are forbidden.
 - 5.6 Attempting to gain unauthorized access to any computer systems in the University or elsewhere.
 - 5.7 Attempting to collect, access, or delete any electronic, printed or magnetic data belonging to other users, without their explicit written permission.
 - 5.8 Conducting any experiments on the network or systems that demonstrate network or system vulnerabilities without the prior permission of the ICTO.
 - 5.9 Intentionally distributing/transmitting any virus or spam mail on the network.

- 5.10 Owning, distributing or attempting to copy any materials (computer software, video, audio, books, etc) protected by copyright without the prior written permission of the copyright's owner.
- 5.11 Deliberately tampering with or altering any university hardware/software/system whether with or without malicious intent, irrespective of whether or not any actual/physical/tangible damage or loss is caused to any university hardware/software/system or staff member.

Before using any account and computing facilities, including the campus network and Internet, please make sure you have carefully read the above document and are willing to follow the policy. Use of any account, and/or computing facilities, including the campus network and Internet constitutes unequivocal acceptance of all of the above terms and conditions, the policy inattentively, as well as any and all additions and amendments, whether announced or not, which may be made from time to time.

In the event of any disagreement over the above mentioned policy, terms, and/or conditions, the Information and Communication Technology Office's decision/interpretation shall prevail.

Academic Computing Facility Room Rules and Guidelines

Academic Computing Facility Room Rules and Guidelines

1. Introduction

The academic computing facility room provides several computing facilities for use by staff and students of University of Macau. The following rules and guidelines which governs the use of computer rooms, language laboratories, MMS, OMR, personal multimedia computer rooms and printing rooms, may from time to time be amended as necessary.

2. Usage Guidelines

- 2.1 Before using the computing room, user should read and agree with the policies as stated in the user document **"Acceptable Use Policy - ICTO Computing Facilities, Campus Network and Internet"**.
- 2.2 Always keep the room environment clean.
- 2.3 User should clear up all their belongings after using the facilities and leaving the room.
- 2.4 In case of any malfunction of any equipment, user should inform ICTO through service hotline or via email to ICTO Help Desk. Under no circumstances should users attempt to repair any equipment themselves.
- 2.5 When there is no further use of the computing facility room, user should leave the room.
- 2.6 User should pay attention and follow the instructions provided by ICTO staff and those guidelines being posted in the room and on the door.
- 2.7 If it was identified that a user had left the computing facility room and the PC he/she had been using was no further in use, ICTO reserves the right to release it for other users to use. ICTO is not responsible for any loss of data/work from the release actions.

3. Usage Rules

- 3.1 User should bring his/her valid campus card when using the computing facility room.
- 3.2 User should only use one computer at any one time.
- 3.3 Smoking is strictly prohibited in computing facility room at all times.
- 3.4 Maintain silence and refrain from disturbing other users.
- 3.5 Do not litter in computing facility room.
- 3.6 Do not bring any food and beverages into or eating or drinking in the computing facility room.

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- 3.7 User should make sure that their self-provided portable storage devices are virus free before using them in the computing facility room.
 - 3.8 Under any circumstances listening to music, watching movies and playing computer games are not allowed in the computing facility room unless it is for academic purpose.
 - 3.9 Users are allowed to use PC speakers only when they are in an instructor-led class or in preparing multimedia files in personal multimedia computer rooms.
 - 3.10 Do not move any equipment, sockets, and/or cables from their original locations.
 - 3.11 Do not use any account set up for another user; or try to make any attempt to find out the password of a service for which you have not been authorized, including accounts set up for other users.
 - 3.12 Do not disturb, delete or tamper with the programme/data files of ICTO and of other users.
 - 3.13 Do not run any software or print any job that is not for academic purposes
 - 3.14 Computing facility rooms should not be used for any purposes other than the use of computing facilities.
 - 3.15 Users are reminded that the use of unlicensed software, as well as the unauthorized copying of software, is strictly prohibited on University equipment. Users are solely responsible for any and all unlicensed software and documentation in their possession.
 - 3.16 The use of computing facilities and Audio-video system on the teacher's desk is allowed only under the lead of and/or permitted by the instructor.

4. Penalties for Misconduct and Abuse of Using Computing Facilities and Services

- 4.1 User who had violated any of the above stated usage rules will be warned instantly to stop the said activity or will be asked to leave the room immediately. Records will be marked down for further reference.
- 4.2 User who had violated any of the above stated usage rules, ICTO reserved the right to suspend his/her privileged of using PC LAN services for one week in the following working day and report the case to related department;
 - 4.2.1 For student, the case will be forwarded to the Student Resources and Services Section of Student Affairs Office (SAO);
 - 4.2.2 For staff, the case will be forwarded to the related department and Human Resource Office (HRO).
- 4.3 Any user who was identified that he/she had subsequently violated any of the above stated usage rules, ICTO will suspend his/her privileged of using PC LAN services for one month in the following working day and report the case to related department;
 - 4.3.1 For student, the case will be forwarded to the Student Resources and Services Section of Student Affairs Office (SAO);
 - 4.3.2 For staff, the case will be forwarded to the related department and Human Resource Office (HRO).

- 4.4 Any user who intentionally damaging the computing facilities, equipment or furniture in the facility room will be required to pay for the cost of repair or replacement.
- 4.5 Any user who commits serious offenses, such as stealing computer items, accessories or furniture; ICTO will report the case to Campus Management Office (CMO) and the faculty or department concerned for further action.
- 4.6 During the period of privilege suspension if there is the need of using the computing services for academic or administrative purpose, user can request his/her academic unit or department to send a written request to ICTO to temporarily restore his/her privileges for accessing the PC LAN services. ICTO can consider the request but is under no obligation to restore the suspended privileges.

*Fees and Charges
For 2016/17 Newly
Admitted Students*

FEES AND CHARGES FOR 2016/17 ADMITTED OR RESUMING STUDENTS

Tuition Fee 2016/2017**Postgraduate Programmes****A. Tuition Fees per Credit (MOP) #**

	Programmes	Macao Students*	Mainland China, Taiwan and Hong Kong Students	Foreign Students	Remark
1.	Doctoral programmes	2,600	3,150	3,990	i.
2.	Master programmes				ii.
	a. Master of Science in International Integrated Resort Management	2,500	2,940	3,680	
	b. Master of Social Sciences in Clinical Psychology	1,700	2,100	2,630	
	c. Other Master programmes	2,100	2,520	3,150	
3.	Postgraduate Certificate/Diploma Programmes				
	a. One-year Postgraduate Certificate Programme in Education (Pre-Primary Education/Primary Education/Secondary Education)	800	950	1,260	
	b. Introduction to Macao Law	400	530	630	
	c. Improvement of Legal Practice and Language	600	740	950	
	d. One-year Postgraduate Certificate Programmes offered by the Faculty of Law	2,100	2,520	3,150	

*Macao students refer to those holding the Macao SAR identity card.

Remarks :

- i. A PhD thesis carries 18 credits. The tuition fees therefor are charged for 3 credits per semester. Where students finish the thesis and pass the oral defence within 6 semesters, they still have to settle the tuition fees in full amount for the 18 credits. Where on the other hand students cannot finish the thesis and pass the oral defence within 6 semesters, they have to pay in each semester an extended Thesis Supervision Fee equivalent to 2 credits.
- ii. An academic or applied thesis of a Master programme carries 6 and 3 credits respectively. The tuition fees therefor are charged for 3 credits per semester. Where students finish their academic thesis and pass the oral defence within two semesters, they still have to settle the tuition fees in full amount for the 6 credits. Where on the other hand students cannot finish their academic thesis and pass the oral defence within 2 semesters, or cannot finish their applied thesis and pass the oral defence within 1 semester, they have to pay in each semester an extended Thesis Supervision Fee equivalent to 2 credits.

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- iii. Postgraduate students who join an outgoing exchange programme/study abroad programme for one or more semesters should pay the tuition fees of each of the outgoing semesters as follows:
- a. A compulsory fee equivalent to 3 credits OR the actual number of credits that will be transferred from the overseas university to UM during their exchange/study abroad period, whichever fee is higher, if thesis supervision and course work are not enrolled simultaneously during this period; or
 - b. A compulsory fee equivalent to 3 credits for thesis supervision AND the actual number of credits that will be transferred from the overseas university to UM during exchange/study abroad period, if thesis supervision and course work are enrolled simultaneously during this period;
 - c. In any case, including but not limited to the above mentioned scenarios, a minimum fee equivalent to 3 credits per semester will be charged and no refund and/or carry-forward of any fees paid will be arranged.
- B. Students who begin or resume their studies in academic year 2016/2017 have to pay tuition fees according to the rates as listed in the above table.
- C. Students can refer to the respective Academic Unit webpage for the number of credits required by each postgraduate programme.

The tuition fees are charged according to the tuition fees per credit relevant to the student status, i.e. postgraduate certificate/diploma students, master's students or PhD students, regardless of the level of the courses.

FEES AND CHARGES FOR 2016/17 ADMITTED OR RESUMING STUDENTS

Tuition Fee 2016/2017**Undergraduate Programmes**

A. Tuition fees

Student type	Tuition fees per credit (MOP)
Macao Students *	740
Mainland China, Taiwan and Hong Kong Students	960
Foreign Students	1,230

* Macao students refer to those holding the Macao SAR identity card.

- B. Students need to pay their tuition fees for each semester according to the number of credits to be taken therein.
- C. Students who begin or resume their studies in academic year 2016/2017 have to pay tuition fees according to the rates as listed in the above table.
- D. Students can refer to the respective faculty webpage for the number of credits required by each bachelor's degree.
- E. Students who join an outgoing exchange programme/study abroad programme for one or more semesters should pay a fixed amount of tuition fee of 15 credits for every semester during their exchange/study abroad period regardless of the number of credits they will take and earn from the partner university.

Fees and Other Charges

The information provided below is intended to provide a concise guide of the fees and charges related to attendance at University of Macau programmes. The University reserves the right to review and adjust the fees and charges regularly.

Currency

All fees paid are only acceptable in Macao Patacas (MOP). Cheque payments in foreign currencies are only acceptable in Hong Kong Dollars. An additional charge of MOP50 will be levied for cheques drawn on banks out of Macao.

Application Fee (Non-refundable)

Programmes	Student Type	Application Type	Amount (MOP)
Bachelor	Local & Foreign	Direct Admission & Transfer Admission	\$300
		Admission Examination	\$400
	Mainland Chinese	----	\$300
Postgraduate	Local & Foreign	----	\$200
	Mainland Chinese	----	\$250

Non-refundable Deposit (To guarantee a place)

Programmes	Student Type	Amount (MOP)
Bachelor Degree	Newly admitted students	\$8,000
Postgraduate Certificate	Newly admitted students	\$3,000
Master Degree	Newly admitted students	\$5,000
PhD Degree	Newly admitted students	\$5,000

Tuition Fee for Academic Year 2016/2017

For undergraduate students, please refer to the Registry (REG) website of the link below:
<http://reg.umac.mo/current-students/fees/>

For postgraduate students, please refer to the Graduate School (GRS) website of the link below:
http://www.umac.mo/grs/en/tuition_fees.php

Continuous Thesis Supervision Fee

The continuous thesis supervision fee shall be paid by a PhD and Master Degree student who cannot finish their thesis and pass the oral defence within the stated period.

For details, you may visit http://www.umac.mo/grs/en/tuition_fees.php

Security Deposit

All new registered students admitted in 2014/2015 and thereafter will be required to pay the security deposit of MOP1,000 during the study period. The deposit is refundable to the students upon graduation or withdrawal and settlement of all outstanding liability due to the university.

College Fee, Residence Fee and Related Fees

Please refer to the Student Resources and Services (SRS) and the Residential Colleges (RC) website of the links below:

- SRS website: http://www.umac.mo/sao/srs/sh/en/srs_fees.php
- RC website: <http://www.umac.mo/rc/>

Student Locker Fee

Please refer to the Student Resources and Services (SRS) website of the link below:
http://www.umac.mo/sao/srs/ss/en/srs_locker_rental.php

Administrative Charges

Please refer to the Finance Office (FO) website of the link below:
<http://www.umac.mo/fo/> > Students > Fees and Charges

Deferral of Payments

If a student has difficulties in settling any amount(s) due by given deadlines, he/she may apply by written 5 working days before the payment deadline to defer payment to the Director of Finance Office, application would not be accepted after the application period. To apply for deferral of payment, the student should submit relevant documents/justification to the Treasury Section of Finance Office for consideration.

Payment by Installments

To help the students who are in financial difficulties in settling the outstanding fees, he/she may apply to pay by installments to the Dean of Students. In order to do so, the student should submit the required application form and relevant documents to Student Affairs Office within application period.

For details, you may visit http://www.umac.mo/sao/srs/ss/en/srs_financial_aid.php

Deferral of or Withdrawal from Studies

Please refer to the Registry website of the link below:
<http://reg.umac.mo/current-students/faqs/>

The paid tuition fees will then be dealt according to the University's rules and policy. Please refer to the Finance Office (FO) website of the link below:
<http://www.umac.mo/fo/> > Students > Tuition Fee > Rules

Other Fees

Description	Amount (MOP)	Remarks
1. Administrative charge for special handling of tuition fees	\$200	--
2. Returned cheque charges	\$55	For each dishonoured cheque drawn on a Macao bank
	\$100	For each dishonoured cheque drawn on a bank outside Macao
3. Declaration fee of tuition fee payment	\$25	--
4. Late registration fee	\$330	--
5. Re-admission fee for inactive student	\$3,000 per inactive semester	Maximum inactive period of a student will be 2 semesters cumulatively
6. Transcript fee	\$55 (1 st copy) \$50 (2 nd copy)	Including postage charges
7. Testimonial fee		Testimonials for renewal of the "Special Authorization to stay" for Chinese Mainland students are free of charge
8. Course description fee		Per academic year, per language and per major
9. Certificate recognition fee		Only for UM programmes recognized by the Ministry of Education of Portugal
10. English translation of diploma fee	\$55	Issued once only
11. Certifying certificate/transcript fee	\$15 (1 st copy) \$10 (2 nd copy)	--
12. Supplementary/Re-sit examination fee		--
12.1 Bachelor's Degree Programme	\$165	--
12.2 Master's Degree Programmes	\$220	--
13. Late withdrawal/Check-out fee	\$200	--
14. UM campus card replacement fee	\$100	--

Library Fees

Please refer to the Library website of the link below:

http://library.umac.mo/html/lib_info/lib_regulations.html

Graduation Robe

Please refer to the Registry website of the link below:

<http://reg.umac.mo/graduation/gwns-rental-making/>

Parking Charges (For Doctorate, Master and Evening Bachelor Students only)

Please refer to the Security and Transport (STS) website of the link below:

http://www.umac.mo/sts/svc_parking.html

Sports Complex Venues Rental Fees and Charges

Please refer to the Office of Sports Affairs (OSA) website of the link below:
<http://www.umac.mo/osa/en/index.html>

UM Campus Bicycle Rental Service

Please refer to the Security and Transport (STS) website of the link below:
http://www.umac.mo/sts/svc_bicycle.html

*Rules & Guidelines
Governing the Use of
UM Campus Card*

Rules & Guidelines Governing the Use of UM Campus Card (For Students)

(Revised on 21 August 2011)

A. INTRODUCTION

A multi-purpose UM Campus Card is issued for all members of the University (academic and administrative staff as well as students) for identification, facility/physical access control, information system access and electronic cash transactions.

Student name, photo, student number, status (such as "student"/"staff") and library ID are printed on the card. For operational requirements, some data items including student name, student no, etc. are stored on the embedded microprocessor chip.

B. FUNCTIONS OFFERED BY THE CARD

The UM Campus Card serves as:

- A traditional campus identity card;
- A library card;
- An access control card to various facilities in the university, including the ICTO computer rooms, laboratories, offices, etc.;
- An E-purse card for making small purchases on campus.

C. ACCESS CONTROL TO UNIVERSITY'S FACILITIES

With a valid UM Campus Card, a student is able to access all ICTO computer rooms. However, access to other facilities, such as individual faculty laboratories, has to be approved in advance by the relevant academic units. For further information, please contact ICTO Help Desk.

D. E-PURSE SERVICE

The E-purse service is an electronic/cashless payment option for making small purchases on campus. The use of the E-purse service is governed by the regulation published at <http://um2.umac.mo/apps/com/umdoc.nsf/refno/59D9509BDA5BD1E5C8256F10001292C3>

E. CARD REPLACEMENT FEE

Students do NOT need to pay for the first and all subsequent renewal cards issued by the University. However, **students have to pay MOP100 for replacement due to: loss, damage*, and theft.**

* If a damaged campus card does not have any physical damage on it (e.g. scratch and bent mark), students are not obliged to pay the replacement fee of MOP100. However, the fee is applicable for the replacement of all other campus cards with physical damages. Applications for card replacement can be made at or submitted to the Registry office. Under normal circumstances, a new card can be issued in three working days.

F. REPORTING THE LOSS OR THEFT OF THE CARD

If your UM Campus Card is lost or stolen, please come personally to the Registry office as soon as possible, to both report the loss/theft and apply for the issuance of a replacement card. Failure to immediately report the loss or theft of one's UM Campus card to the Registry, will render the original holder liable to any and all negative consequences arising as a result of the loss/theft.

G. NOTES FOR USING THE CARD

1. All UM Campus Cards remain the property of the University.
2. Use of the UM Campus Card constitutes acceptance of all of the terms and conditions stated in the document " Rules & Guidelines Governing the Use of UM Campus Card ".
3. UM Campus Card is NOT transferable.
4. The functions of your card in campus will be invalidated by punching a hole on it upon termination of the relationship with the University.
5. Do not place the card near any magnetic object.
6. Do not connect the chips on the card with any electric current.
7. Do not scratch or fold the card.
8. The card chip must be stored under normal room temperatures and in a clean environment.
9. Students must not tamper with the UM Campus card (including all information printed or stored on the card) in any way. Any unauthorized attempts for reading/writing the data stored on your Campus Card may be a criminal offence.

H. SUGGESTED PHOTO FORMAT

For best result on Campus card, photo submitted for production is suggested to be:

- 1.5 inch color photo;
- With no border;
- With white background.

Academic Prizes

Academic Prizes

Academic Prizes are awarded to the most outstanding potential graduates of Bachelor's and graduates of Master's and Doctoral Programmes.

Potential graduates: The selection will be based on the academic result of 3.5 years (4-year bachelor's programmes) or 4.5 years (5-year bachelor's programmes) plus completion of last semester's study. The recipients' total enrolled credits should have met the required no. of graduation credits at the time of selection.

Bank of China Academic Prize

中國銀行學術獎項

Eligibility	:	Full-time bachelor's degree potential graduates from Faculty of Business Administration
Criteria	:	Academic performance
Amount	:	Twelve prizes, MOP10,000 each

Macao Foundation Academic Prize

澳門基金會學術獎項

Eligibility	:	Bachelor's degree potential graduates
Criteria	:	Academic performance
Amount	:	Ten prizes, MOP10,000 each

Henry Fok Foundation Academic Prize

霍英東基金會學術獎項

Eligibility	:	Bachelor's degree potential graduates
Criteria	:	Academic performance
Amount	:	Five prizes, MOP10,000 each

Wu's Group Academic Prize

胡氏集團學術獎項

Eligibility	:	Bachelor's degree potential graduates
Criteria	:	Academic performance
Amount	:	Five prizes, MOP10,000 each

ICBC Macau Academic Prize

工銀澳門優才學術獎項

Eligibility	:	Local bachelor's degree potential graduates majoring in Business Economics, Financial Controllershship, Accounting or Finance.
Criteria	:	Academic performance
Amount	:	Five prizes, MOP10,000 each

Companhia de Electricidade de Macau (CEM) Academic Prize**電力公司學術獎項**

Eligibility	: Local bachelor's degree potential graduates majoring in Electrical and Electronics Engineering and Electromechanical Engineering
Criteria	: Academic performance
Amount	: Two prizes, MOP20,000 each

Banco Nacional Ultramarino (BNU) Academic Prize**大西洋銀行學術獎項**

Eligibility	: Bachelor degree's potential graduates majoring in Finance of Faculty of Business Administration and Law in Portuguese Language of Faculty of Law
Criteria	: Academic performance
Amount	: Three prizes for students majoring in Finance <ol style="list-style-type: none"> 1. One prize of MOP15,000 2. One prize of MOP10,000 3. One prize of MOP5,000 <p>One prize for student majoring in Law in Portuguese Language One prize of MOP10,000</p>

Jorge Alvares Foundation Academic Prize**歐維治基金會學術獎項**

Eligibility	: Bachelor's degree potential graduates
Criteria	: Academic performance
Amount	: 1. One prize of €2,000 for student from the Faculty of Arts and Humanities, Faculty of Business Administration, Faculty of Education, Faculty of Health Sciences, Faculty of Science and Technology and Faculty of Social Sciences 2. One prize of €1,500 for student from the Faculty of Law

IEEM Academic Prize**澳門歐洲研究學會學術獎項**

Eligibility	: The best graduate from the Master of Law in European Union Law
Criteria	: Academic performance
Amount	: One prize of MOP30,000

Choi Kai Yau Academic Prize**蔡繼有學術獎項**

Eligibility	: Bachelor's degree graduates
Criteria	: Academic performance
Amount	: Six prizes, MOP5,000 each

Synopsys Academic Prize**Synopsys 學術獎項**

Eligibility	: Local postgraduate graduates (including PhD graduates) and local bachelor's degree potential graduates majoring in Electrical and Computer Engineering
Criteria	: Academic performance & R&D result in microelectronics circuit design
Amount	: 1. Two prizes, MOP10,000 each, for postgraduate students

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2. One prize of MOP5,000 for bachelor's student

Or

1. One prize of MOP10,000 for postgraduate student
2. Three prizes, MOP5,000 each, for bachelor's students

EasyTone Academic Prize

易達通網絡科技有限公司學術獎項

- Eligibility : Local bachelor's degree potential graduates majoring in Software Engineering or Computer Science
- Criteria : Academic performance
- Amount :
 1. One prize of MOP10,000
 2. Two prizes, MOP5,000 each

Macau Civil Engineering Laboratory (LECM) Academic Prize

土木工程實驗室學術獎項

- Eligibility : Bachelor's degree potential graduates majoring in Civil Engineering
- Criteria : Academic performance
- Amount : One prize of MOP10,000

ERS Academic Prize

易研方案學術獎項

- Eligibility : Bachelor's degree potential graduates in the Department of Communication and Department of Computer and Information Science
- Criteria : Academic performance
- Amount : Two prizes, MOP5,000 each

Lou Tou Vo Mathematics Academic Prize

盧道和數學學術獎項

- Eligibility : Full-time bachelor's degree potential graduates from Department of Mathematics of Faculty of Science and Technology
- Criteria : Academic performance
- Amount : Two prizes, MOP5,000 each

Scholarships and Studentships

Undergraduate Scholarships

University of Macau Grand Lotus Scholarship

澳門大學大蓮花獎學金

1. Applicants of Bachelor's Degree Programmes

- Eligibility : Applicants of bachelor's degree programmes admitted through the Principals' Recommended Admission Scheme (PRA)
- Criteria : Selected students admitted through the PRA scheme who possess very outstanding achievements (e.g. international awards)
- Amount : 100% reduction of tuition fee and RC fee; scholarship of MOP30,000 per year; conditional offer by the Honours College before they are admitted to the University

2. Scholarship Continuation

- 2nd to 5th year of study for FLL 5-year programme

- 2nd to 4th year of study for other programmes

- Eligibility : Full-time students of bachelor's degree programmes
- Criteria : Students who have been admitted with University of Macau Grand Lotus Scholarship and meet the concerned GPA, credit and RC requirements in each academic year
- Amount : 100% reduction of tuition fee; scholarship of MOP30,000 per year; 100% reduction of RC fee subject to the university's approval.

University of Macau Golden Lotus Scholarship

澳門大學金蓮花獎學金

1. Applicants of Bachelor's Degree Programmes

- Eligibility : Applicants of bachelor's degree programmes admitted through the Principals' Recommended Admission Scheme (PRA)
- Criteria : Students who have outstanding academic performance and assessment evaluation
- Amount : 100% reduction of tuition fee; 50% reduction of RC fee

2. Scholarship Continuation

- 2nd to 5th year of study for FLL 5-year programme

- 2nd to 4th year of study for other programmes

- Eligibility : Full-time students of bachelor's degree programmes
- Criteria : Students who have been admitted with University of Macau Golden Lotus Scholarship and meet the concerned GPA, credit and RC requirements in each academic year
- Amount : 100% reduction of tuition fee; 50% reduction of RC fee subject to the university's approval

University of Macau Silver Lotus Scholarship

澳門大學銀蓮花獎學金

1. Applicants of Bachelor's Degree Programmes

- Eligibility : Applicants of bachelor's degree programmes admitted through the Principals' Recommended Admission Scheme (PRA)
- Criteria : Other students admitted through the PRA scheme
- Amount : 100% reduction of tuition fee

2. Scholarship Continuation

- 2nd to 5th year of study for FLL 5-year programme

- 2nd to 4th year of study for other programmes

- Eligibility : Full-time students of bachelor's degree programmes
- Criteria : Students who have been admitted with University of Macau Silver Lotus Scholarship and meet the concerned GPA, credit and RC requirements in each academic year
- Amount : 100% reduction of tuition fee

University of Macau Golden Lotus Scholarship for Admission Examination**澳門大學入學考試金蓮花獎學金****1. Candidates of Bachelor's Degree through Admission Examination**

- Eligibility : Admission examination candidates
 Criteria : Admission examination candidates with the best examination performance from each major
 Amount : 100% reduction of tuition fee; 50% reduction of RC fee

2. Scholarship Continuation**- 2nd to 5th year of study for FLL 5-year programme****- 2nd to 4th year of study for other programmes**

- Eligibility : Full-time students of bachelor's degree programmes
 Criteria : Students who have been admitted with University of Macau Golden Lotus Scholarship for Admission Examination and meet the concerned GPA, credit and RC requirements in each academic year
 Amount : 100% reduction of tuition fee; 50% reduction of RC fee subject to the university's approval

University of Macau Silver Lotus Scholarship for Admission Examination**澳門大學入學考試銀蓮花獎學金****1. Candidates of Bachelor's Degree through Admission Examination**

- Eligibility : Admission examination candidates
 Criteria : Additional 2 Admission examination candidates from each major whose performance is next to the best one
 Amount : 100% reduction of tuition fee

2. Scholarship Continuation**- 2nd to 5th year of study for FLL 5-year programme****- 2nd to 4th year of study for other programmes**

- Eligibility : Full-time students of bachelor's degree programmes
 Criteria : Students who have been admitted with University of Macau Silver Lotus Scholarship for Admission Examination and meet the concerned GPA, credit and RC requirements in each academic year
 Amount : 100% reduction of tuition fee

University of Macau Scholarship for Mainland China Undergraduate Students**澳門大學內地學士學生獎學金****1. Applicants of Bachelor's Degree Programmes**

- Eligibility : Mainland China full-time bachelor's degree students
 Criteria : Students of excellent college entrance examination result
 Amount : 100% reduction of tuition fee and RC fee

2. Scholarship Continuation**- 2nd to 5th year of study for FLL 5-year programme****- 2nd to 4th year of study for other programmes**

- Eligibility : Full-time students of bachelor's degree programmes
 Criteria : Students who have been admitted with University of Macau Scholarship for Mainland China Students and meet the concerned GPA, credit and RC requirements in each academic year
 Amount : 100% reduction of tuition fee and RC fee

University of Macau Full Scholarship for Students from East Asia Countries

澳門大學東亞國家學生獎學金

1. Applicants of Bachelor's Degree Programmes

- Eligibility : Full-time bachelor's degree students from East Asia countries including Hong Kong, Taiwan and Malaysia, but excluding Mainland China
- Criteria : Students with excellent performance in their public examinations
- Amount : 100% reduction of tuition fee and RC fee

2. Scholarship Continuation

- 2nd to 5th year of study for FLL 5-year programme

- 2nd to 4th year of study for other programmes

- Eligibility : Full-time students of bachelor's degree programmes
- Criteria : Students who have been admitted with University of Macau Full Scholarship for Students from East Asia Countries and meet the concerned GPA, credit and RC requirements in each academic year
- Amount : 100% reduction of tuition fee and RC fee

University of Macau Outstanding Student-Athletes Admission Scholarship

澳門大學傑出運動員入學獎學金

1. Applicants of Bachelor's Degree Programmes

- Eligibility : Applicants of bachelor's degree programmes admitted through the Outstanding Student-Athletes Admission Scheme
- Criteria : Students with excellent athletic results
- Amount : 100% reduction of tuition fee; 100%/50%/25% reduction of RC fee; and/or training/competition/living subsidy

2. Scholarship Continuation

- 2nd to 5th year of study for FLL 5-year programme

- 2nd to 4th year of study for other programmes

- Eligibility : Full-time students of bachelor's degree programmes
- Criteria : Students who have been admitted with Outstanding Student-Athletes Admission Scholarship, meet the concerned GPA and credit requirements in each academic year; and achieve the required sports performance as stipulated by OSA
- Amount : 100% reduction of tuition fee; 100%/50%/25% reduction of RC fee subject to the university's approval

University of Macau Scholarship for Cape Verde Students

澳門大學佛得角學生獎學金

1. Applicants of Bachelor's Degree Programmes

- Eligibility : Full-time students of bachelor's degree programmes from Cape Verde
- Criteria : Students with excellent academic performance and conduct recommended by the Higher Education Bureau of Cape Verde
- Amount : 100% reduction of tuition fee

2. Scholarship Continuation

- 2nd to 5th year of study for FLL 5-year programme

- 2nd to 4th year of study for other programmes

- Eligibility : Full-time students of bachelor's degree programmes
- Criteria : Students who have been admitted with University of Macau Scholarship for Cape Verde Students and meet the concerned GPA requirement in each academic year
- Amount : 100% reduction of tuition fee

Macau Foundation Scholarship for Foreign Undergraduate Students**澳門基金會外地學士學生獎學金**

- Eligibility : Full-time students of bachelor's degree programmes from Portuguese-speaking and Asian regions
- Criteria : 1. Recommendation by Macau Foundation
2. To be approved by UM
- Amount : 100% reduction of tuition fee; 12-month RC fee; payment of living allowance

Macau Foundation Scholarship for Mainland China Undergraduate Students**澳門基金會內地學士學生獎學金**

- Eligibility : Full-time students of bachelor's degree programmes from Mainland China
- Criteria : 1. Students of excellent college entrance examination result
2. Recommendation by UM
3. Final decision to be made by Macau Foundation
- Amount : Five scholarships, MOP30,000 each

Macau Foundation Scholarship for Children of Workers in the Space Industry**澳門基金會航天工作者子女獎學金**

- Eligibility : Full-time students of bachelor's degree programmes whose parents are working in the space industry
- Criteria : 1. Recommendation by the China Space Foundation
2. To be approved by UM
- Amount : 100% reduction of tuition fee; 12-month RC fee; payment of living allowance

Macau Foundation Scholarship for Asian Students**澳門基金會亞洲學生獎學金**

- Eligibility : Full-time students of bachelor's degree programmes from Asian countries
- Criteria : 1. Recommendation by UM
2. To be approved by Macau Foundation
- Amount : 100% reduction of tuition fee; 12-month RC fee; payment of living allowance

Sands China Ltd. Scholarship and Fellowship**金沙中國有限公司獎學金及助學金**

- Eligibility : Full-time bachelor's degree local students
- Criteria : Academic performance for scholarship and financial situation for fellowship
- Amount : Fifteen scholarships, MOP10,000 each and twenty fellowships, MOP10,000 each

Macau Foundation Scholarship**澳門基金會優秀在讀學生獎學金**

- Eligibility : Full-time bachelor's degree local students
- Criteria : Academic performance
- Amount : Thirty scholarships, MOP10,000 each

Bank of China Scholarship**中國銀行獎學金**

- Eligibility : Full-time students
- Criteria : Academic performance
- Amount : Eighteen scholarships, MOP10,000 each for bachelor's degree students
1. Twelve scholarships for students from Faculty of Business Administration
 2. Two scholarships for students majoring in Economics of Faculty of Social Sciences
 3. Two scholarships for students majoring in Portuguese Studies of Faculty of Arts

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- and Humanities
4. Two scholarships for students from Faculty of Law

Henry Fok Foundation Scholarship

霍英東基金會獎學金

- Eligibility : Full-time bachelor's degree local students
- Criteria : Academic performance
- Amount : MOP10,000 for every 200 students (5 quotas for academic prize)

Melco Crown Entertainment Limited Scholarship

新濠博亞娛樂有限公司獎學金

- Eligibility : Local students from the Department of Chinese Language and Literature of the Faculty of Arts and Humanities
- Criteria : Academic performance
- Amount : Six scholarships, MOP15,000 each for bachelor's degree students (at least one from each year)

AmCham Macau Scholarship

澳門美國商會獎學金

- Eligibility : 1. Ten quotas of MOP10,000 each to bachelor's degree local students with financial difficulties
2. Five quotas of MOP20,000 each for bachelor's degree local students who will study abroad in the United States
- Criteria : Financial difficulties
- Amount : MOP10,000 or MOP20,000 each

Nam Kwong Education Scholarship

南光教育獎學金

- Eligibility : Full-time bachelor's degree students
- Criteria : Decided by UM and Nam Kwong Group
- Amount : MOP200,000 each year

Hsu Chin Sheng and Cai Yu Shia Scholarship

徐金生蔡玉霞伉儷獎學金

- Eligibility : Students from the Department of Chinese Language and Literature of the Faculty of Arts and Humanities
- Criteria : Academic performance
- Amount : Three scholarships, MOP15,000 each for bachelor's degree local students

ICBC Macau Scholarship

工銀澳門優才獎學金

- Eligibility : Full-time bachelor's degree students
- Criteria : Academic performance
- Amount : Ten scholarships, MOP10,000 each
1. Seven scholarships for local students
 2. Three scholarships for students from Mainland China

SJM Scholarship**澳門博彩股份有限公司獎學金**

- Eligibility : 1. Full-time bachelor's degree students
2. Students from Honours College are preferred
- Criteria : Academic performance
- Amount : Ten scholarships, MOP10,000 each

Galaxy Entertainment Group Scholarship**銀河娛樂集團獎學金**

- Eligibility : Full-time bachelor's degree students
- Criteria : 1. Academic performance
2. Participate actively in extra-curricular activities
- Amount : Ten scholarships, MOP10,000 each
1. Five scholarships for students majoring in Gaming Management
2. Five scholarships for students majoring in Convention and Hospitality Management

Sir Run Run Shaw Scholarship**邵逸夫獎學金**

- Eligibility : Full-time bachelor's degree students
- Criteria : Academic performance
- Amount : Eleven scholarships, MOP8,000 each

KWCA Fellowship**君慧慈善會助學金**

- Eligibility : Full-time students, one quota from each faculty including FAH, FBA, FED, FHS, FLL, FSS, FST, ICMS
- Criteria : Financial difficulties
- Amount : Eight scholarships, MOP10,000 each

Hong Kong & Shanghai Banking Corporation Ltd Scholarship**香港上海滙豐銀行獎學金**

- Eligibility : Full-time bachelor's degree local students in their second or third year of study (Excluding Gaming Management)
- Criteria : Academic performance
- Amount : Six scholarships, MOP10,000 each

Wu's Group Scholarship**胡氏集團獎學金**

- Eligibility : Full-time bachelor's degree students
- Criteria : Academic performance
- Amount : Five scholarships, MOP10,000 each

CTM Scholarship**澳門電訊獎學金**

- Eligibility : Full-time bachelor's degree local students from the Faculty of Science and Technology
- Criteria : Academic performance
- Amount : Five scholarships, MOP10,000 each

Lisboa Holdings Scholarship

葡京集團獎學金

1. Scholarship on academic achievements

- Eligibility : Full-time bachelor's degree students
Criteria : Academic performance
Amount : Three scholarships, MOP10,000 each

2. Scholarship on best sports achievements

- Eligibility : Full-time students
Criteria : Sports performance
Amount : Five scholarships, MOP 4,000 each

Macau International Airport Company Limited Scholarship

澳門國際機場專營股份有限公司獎學金

- Eligibility : Full-time bachelor's degree students majoring in Finance, Marketing, Accounting, Management or Financial Controllorship
Criteria : Academic performance
Amount : Five scholarships, MOP10,000 each

Wynn Macau Scholarship

澳門永利獎學金

- Eligibility : Full-time bachelor's degree students
Criteria : Academic performance
Amount : Five scholarships, MOP10,000 each
1. Two scholarships for students majoring in Gaming Management
 2. One scholarship for student majoring in Finance
 3. One scholarship for student majoring in Management
 4. One scholarship for student majoring in Marketing

Wynn Macau Whole Person Development Scholarship

澳門永利全人發展獎學金

- Eligibility : Full-time students
Criteria :
 1. GPA 2.5 or above,
 2. Performance in the Whole Person Development Award Programme
Amount : Ten scholarships, MOP5,000 each

MGM Macau Elite Scholarship

澳門美高梅展才獎學金

- Eligibility : Full-time bachelor's degree students
Criteria : Academic performance
Amount : Five scholarships, MOP10,000 each
1. Two scholarships for students majoring in Gaming Management
 2. One scholarship for student majoring in Finance
 3. One scholarship for student majoring in Marketing
 4. One scholarship for student majoring in Communication

Lou Tou Vo Mathematics Scholarship

盧道和數學獎學金

- Eligibility : Full-time bachelor's degree students from the Department of Mathematics of the Faculty of Science and Technology
Criteria : Academic Performance
Amount :
 1. Grand Award: one scholarship of MOP10,000 for student with best academic performance

2. 1st Award: six scholarships, MOP5,000 each for students with good academic performance (two quota for students from each year of study)

Monetary Authority of Macao (AMCM) Scholarship

澳門金融管理局獎學金

- Eligibility : Full-time bachelor's degree local students majoring in Economics, Accounting or Finance
- Criteria : 1. Academic performance
2. Financial need
- Amount : Two scholarships, MOP15,000 each

Banco Comercial de Macau Scholarship

澳門商業銀行獎學金

- Eligibility : 1. Full-time bachelor's degree local students in their third year study
2. Students from the Faculty of Business Administration
- Criteria : 1. GPA 3.0 or above
2. Participate actively in extra-curricular activities
- Amount : Three scholarships, MOP10,000 each

L'Arc Macau Talent Recognition Programme

澳門凱旋門菁英獎學金

- Eligibility : Full-time bachelor's degree local students in their third year of study
- Criteria : 1. GPA 3.0 or above
2. Participate actively in extra-curricular activities
3. Participate actively in exchange programmes
- Amount : Three scholarships, MOP10,000 each
1. One scholarship for student majoring in Gaming Management
2. One scholarship for student majoring in Convention and Hospitality Management
3. One scholarship for student in other FBA majors

Inspirational Youth Scholarship

勵志青年獎學金

- Eligibility : 1. Scholarship for full-time bachelor's degree local student
2. Assistantship for full-time bachelor's degree local student
3. Improvement awards for full-time bachelor's degree students
- Criteria : 1. Academic performance (Scholarship)
2. Financial need (Assistantship)
3. Improvement on GPA (Improvement awards)
- Amount : 1. One scholarship of MOP10,000;
2. One assistantship of MOP10,000;
3. Two improvement awards, MOP5,000 each.

AIA Foundation Scholarship

友邦慈善基金獎學金

- Eligibility : 1. Full-time bachelor's degree local students in their first, second or third year of study
2. Students who have never received the same scholarship before
- Criteria : 1. Academic performance
2. Demonstration of a high sense of devotion, support and participation in community service
3. The financial background of the candidates
4. The candidates will attend an interview organized by the donor
- Amount : Two scholarships, MOP13,000 each

Rohde & Schwarz Wireless Communications Scholarship**羅德與施瓦茨無線通訊獎學金**

- Eligibility : Full-time bachelor's degree local students majoring in Electrical and Electronics Engineering or Software Engineering.
- Criteria : Academic performance
- Amount : Two scholarships, HKD10,000 each

Luso International Bank Whole Person Development Scholarship**澳門國際銀行全人發展獎學金**

- Eligibility : Full-time students
- Criteria : 1. GPA 2.5 or above,
2. Performance in the Whole Person Development Programme
- Amount : Five scholarships, MOP5,000 each

Wong Seng Hong Scholarship**黃昇雄獎學金**

- Eligibility : Full-time bachelor's degree local students
- Criteria : Academic performance
- Amount : Two scholarships, MOP10,000 each

Macao Water Scholarship**澳門自來水有限公司獎學金**

- Eligibility : Full-time bachelor's degree students majoring in Civil Engineering or Electromechanical Engineering
- Criteria : Academic performance
- Amount : Two scholarships, MOP10,000 each

Hang Seng Bank Scholarship**恆生銀行獎學金**

- Eligibility : 1. Full-time bachelor's degree students
2. One quota given to FBA students
3. Another quota given to students from Department of Communication
- Criteria : Academic performance
- Amount : Two scholarships, HKD10,000 each

Choi Kai Yau Scholarship**蔡繼有獎學金**

- Eligibility : Full-time bachelor's degree students
- Criteria : Academic performance
- Amount : Two scholarships, MOP10,000 each

Sun Hung Kai Financial Scholarship**新鴻基金融集團獎學金**

- Eligibility : Full-time bachelor's degree students majoring in Accounting or Finance
- Criteria : Academic performance
- Amount : Two scholarships, MOP10,000 each

WICH Law Firm Scholarship**永晉律師事務所獎學金**

- Eligibility : Full-time bachelor's degree students majoring in Law in Chinese Language
- Criteria : Academic performance
- Amount : Two scholarships, MOP10,000 each (one scholarship each from Daytime and Evening Programme)

China Telecom Scholarship**中國電信獎學金**

- Eligibility : Full-time bachelor's degree students
- Criteria : 1. Best Debaters of Mandarin Debating Team (two quotas of MOP5,000 each)
2. Academic performance (one quota of MOP5,000 for Mainland China students)
3. Financial background (one quota of MOP5,000 for Mainland China students)
- Amount : Four scholarships, MOP5,000 each

Nuno Simões & Associados Scholarship**施展鵬律師事務所獎學金**

- Eligibility : Full-time bachelor's degree students from the Faculty of Law (Day-time programme)
- Criteria : Academic and interview performance
- Amount : Four scholarships, MOP5,000 each
One scholarship each from Year 1 to Year 4

Mak Heng Ip Law Firm Scholarship**麥興業大律師樓獎學金**

- Eligibility : Students from Faculty of Law
- Criteria : Academic performance
- Amount : Two scholarships, MOP10,000 each

Jorge Alvares Foundation Scholarship**歐維治基金會獎學金**

- Eligibility : Full-time bachelor's degree students in the Department of Portuguese of the Faculty of Arts and Humanities
- Criteria : Student from the Department of Portuguese (DP) of the Faculty of Arts and Humanities for his/her study in Portugal according to a plan recommended by DP
- Amount : One scholarship of € 1,500

Leng Kuan Scholarship**靈筠獎學金**

- Eligibility : Full-time bachelor's degree students from the Faculty of Business Administration
- Criteria : Academic performance
- Amount : Two scholarships, MOP5,000 each
1. One scholarship for student majoring in Accounting and in their second year of study
2. One scholarship for student in their third year of study

Gloria Man Wai So Students Scholarship

蘇張文慧獎學金

- Eligibility : Full-time bachelor's degree Mainland China students from the Department of Chinese Language and Literature of the Faculty of Arts and Humanities
- Criteria : Academic performance
- Amount : Two scholarships, MOP5,000 each

Southa Group Scholarship

南龍集團獎學金

- Eligibility : 1. Full-time bachelor's degree students from the Faculty of Science and Technology
2. Students majoring in Electromechanical Engineering
- Criteria : Academic performance
- Amount : One scholarship of MOP10,000

leong Kim Long Whole Person Development Scholarship

楊劍龍全人發展獎學金

- Eligibility : Full-time students
- Criteria : 1. GPA 2.5 or above,
2. Performance in the Whole Person Development Programme
- Amount : Two scholarships, MOP5,000 each

AAAUM Scholarship

澳門大學校友會獎學金

- Eligibility : Full-time bachelor's degree students
- Criteria : Academic performance
- Amount : One scholarship of MOP5,000

SCHOLARSHIPS AND STUDENTSHIPS

Postgraduate Scholarships

Macao SAR Government Postgraduate Scholarships – Mainland China Master's Degree Students**澳門特區政府研究生獎學金 - 內地碩士研究生**

Eligibility	: Mainland China bachelor's degree holders
Criteria	: 1. Academic performance 2. Recommendation of PRC Ministry of Education
Amount	: Ten scholarships, covering tuition fee, hostel fee and living allowance

Instituto de Estudos Europeus de Macau Scholarship**澳門歐洲研究學會獎學金****1. Full-time Students of Master in European Studies**

Eligibility	: Full-time students of Master in European Studies
Criteria	: Academic performance
Amount	: Four scholarships • Tuition fee + Hostel fee (for Mainland China Students) • Tuition fee (for Local Students)

2. Full-time Master's Degree Students majoring in European Union Law, International Law, or Comparative Law

Eligibility	: Full-time master's degree students majoring in European Union Law, International Law, or Comparative Law
Criteria	: Academic performance
Amount	: One scholarship of MOP40,000

SJM Mainland Chinese Postgraduate Students Scholarship**澳博內地研究生專項獎學金**

Eligibility	: Mainland China postgraduate students from the Department of Chinese Language and Literature of the Faculty of Arts and Humanities
Criteria	: Academic performance
Amount	: Four scholarships, MOP50,000 each

Melco Crown Entertainment Limited Scholarship**新濠博亞娛樂有限公司獎學金**

Eligibility	: Local students from the Department of Chinese Language and Literature of the Faculty of Arts and Humanities
Criteria	: Academic performance
Amount	: Two scholarships, MOP60,000 each

Bank of China Scholarship**中國銀行獎學金**

Eligibility	: Full-time master's degree students
Criteria	: Academic Performance
Amount	: Five scholarships, MOP20,000 each 1. Four scholarships for students from Faculty of Business Administration (at least 1 student from each related department)

2. One scholarship for student majoring in Economics of Faculty of Social Sciences

Hsu Chin Sheng and Cai Yu Shia Scholarship

徐金生蔡玉霞伉儷獎學金

Eligibility : Master's degree students from the Department of Chinese Language and Literature of the Faculty of Arts and Humanities
Criteria : Academic performance
Amount : One scholarship of MOP60,000

SCHOLARSHIPS AND STUDENTSHIPS

Principals' Recommended Admission Rules**Principals' Recommended Admission (PRA) Rules 2016/2017****1. Recommended Qualification**

- 1.1 Recommended applicants must possess the following requirements:
 - 1.1.1 Excellent academic performance and conduct;
 - 1.1.2 Currently studying in Form 6 or equivalent in an officially recognized secondary school in Macao;
 - 1.1.3 Ranking among the top 10% in terms of academic performance amongst all Form 5 students or equivalent (including all students in arts, commerce, science or other streams) in the school recommended by Macao secondary school principals.
- 1.2 Applicants with good academic performance who possess the following areas of special talents or outstanding achievements but are ranked beyond the above criteria may also be recommended as exceptional cases. For verification of the student's application eligibility, such recommendation should be supported with justification and proof by Macao secondary school principals for University's verification.
 - 1.2.1 Academic awards/ qualifications achieved (e.g. public academic competitions);
 - 1.2.2 Non-academic awards/ qualifications achieved (e.g. talents of the musicianship or sports area).

2. Application Procedures and Documents

- 2.1 Online Application System
 - 2.1.1 Online application system for Principals' Recommended Admission is launched. (Please refer to the "User Manual of Online Application System for Principals' Recommended Admission 2016/2017").
- 2.2 Recommended applicants need to scan and upload the following documents on to the system:
 - 2.2.1 Valid Macao I.D. card (both sides on one A4 paper);
 - 2.2.2 One passport size color photo (white background is recommended);
 - 2.2.3 Official transcript of academic records for the recent two years (Form 4 to Form 5) of secondary education (A4 size);
 - 2.2.4 Related certificates or proof for supplementary information of special talents, awards or community service (A4 size)(if applicable).
- 2.3 Interview
 - 2.3.1 Interview will be conducted for qualified applicants.

3. Successful Applicants

- 3.1 Scholarship for "Principals' Recommended Admission 2016/2017"
 - 3.1.1 All applicants admitted to Bachelor's degree programme through "Principals' Recommended Admission 2016/2017" will be granted University of Macau Lotus Scholarship. There are three types of scholarships: "University of Macau Grand Lotus Scholarship", "University of Macau Golden Lotus Scholarship" or "University of Macau Silver Lotus Scholarship".

Scholarship Type	Content
University of Macau Grand Lotus Scholarship	<ul style="list-style-type: none"> • Full waiver of tuition fee for 1st academic year; • Full waiver of Residential College fee for 1st academic year (Students admitted to Bachelor of Law in Chinese and Portuguese Language Five-year Programme will enjoy the full waiver of Residential College fee in their 2nd year of study)(for around 10 months of 2 semesters); • A scholarship of MOP 30,000 for 1st academic year; • Eligibility of early admission to Honours College.
Scholarship Type	Content
University of Macau Golden Lotus Scholarship	<ul style="list-style-type: none"> • Full waiver of tuition fee for 1st academic year; • Half waiver of Residential College fee for 1st academic year (Students admitted to Bachelor of Law in Chinese and Portuguese Language Five-year Programme will enjoy the half waiver of Residential College fee in their 2nd year of study) (for around 10 months of 2 semesters).
University of Macau Silver Lotus Scholarship	<ul style="list-style-type: none"> • Full waiver of tuition fee for 1st academic year.

- 3.1.2 Assessment of admission and scholarship will take the following factors into account: students' school performance, ranking, academic and non-academic talents, community service and interview. Among three types of scholarship, the "University of Macau Grand Lotus Scholarship" is established to award students of the most outstanding talents or extraordinary achievement. The scholarship selection is very competitive while our Faculty Deans will recommend their best offered students to the Committee of "University of Macau Grand Lotus Scholarship" for most competent recipients.
- 3.1.3 Students must stay in Residential College for the 1st academic year as to enjoy the half or full waiver of Residential College fee for Grand Lotus or Golden Lotus scholarship recipients. The eligibility of enjoying the half or full waiver of the Residential College fee during the 2nd to 4th academic year (during 2nd to 5th academic year of study for Bachelor of Law five-year programmes) will be subject to the university's approval. If students do not stay in Residential College for the 2nd academic year or onwards, the half or full waiver of the fee will not be granted. Students should comply with all the Residential College's rules during the stay in Residential College.
- 3.1.4 For the continuation scheme of University of Macau Lotus Scholarship, please refer to "Continuation Rules of University of Macau Lotus Scholarship for Principals' Recommended Admission 2016/2017".

- 3.2 Successful applicants are not permitted to change their programmes of study once their offer confirmations have been submitted to the University.
- 3.3 If a successful applicant accepts our offer of admission (returning the “Statement of Acceptance”), he/she is not permitted to attend the admission examination organised by the University of Macau. If he/she is found to apply for or to have attended the admission examination, the University reserves the right to cancel his/her examination qualifications.
- 3.4 Students admitted via this scheme will follow the general admission rules of bachelor's degree programmes.
- 3.5 Scholarship recipients are obliged to participate and assist in any university activities which aim to cultivate students' sense of community service and their practical competence during the undergraduate study.
4. **Unsuccessful Applicants**
Unsuccessful applicants can apply for the Admission Examination during the specified application period released if he/she would like to apply for admission to the Bachelor's degree programmes of the University.

5. **Important Dates to Note**

Date	Event
17 Oct 2015	Principals' Recommended Admission Talk
12 – 30 Oct 2015	Online Application period
23 - 28 Nov 2015	Release of interview details (interview permit will be available via online application system to download)
28 Nov 2015 (afternoon)	Interview
Early Jan 2016	Announcement of interview result (to be released via online application system)
Mid Jan 2016	Confirmation on admission by offered applicants
Late Feb 2016	Submission of “Statement of Acceptance”
Mid to late Jul 2016	Submission of registration documents (students admitted through ‘Principals’ Recommended Admission’ are advised to proceed the medical examination from late May)
22 Aug 2016	Class commencement 2016/2017 (for the date of class commencement, please refer to website at http://www.umac.mo/reg/admission.php)

6. Admission Policy for Students with Disability

With the purpose of providing an equal admission opportunity, necessary study environment and facilities for disabled students, the University has devised the "Admission Policy for Students with Disability". Please visit the website at http://www.umac.mo/reg/pstudents_disablestudents.php for details.

7. Disqualification of Application, Admission or Study

7.1 The University reserves the right to reject any applications from students beyond the top 10% in terms of academic performance in their Form 5/Grade 11/Senior Middle 2 study.

7.2 Applicants must guarantee that the information given in the application form is TRUE. The University of Macau reserves the right to terminate an application, admission or study at any time if :

- any information given in his/her application form is found later to be untrue, incorrect, and not qualified for admission;
- an applicant offered with admission is found to have violated any of the regulations of the University of Macau or misconduct behavior.

Should such cases occur, any fees paid will not be refunded.

7.3 For the purposes established in Article 25 the Decree No. 11/91/M, of February 4, registered students of University of Macau cannot concurrently register/enrol in any other higher education programme(s) in Macao, including the programme(s) offered by the University of Macau. If students are found to be registered for more than one higher education programme, the University of Macau reserves the right to terminate his/her application or study at any time.

**Continuation Rules of University of Macau Lotus Scholarship for Principals'
Recommended Admission 2016/2017**

1. Qualifications

- All students granted with the University of Macau Lotus Scholarship, subject to their yearly academic performance, can continue enjoying full tuition fee waiver during 2nd to 4th academic year of study (during 2nd to 5th academic year of study for Bachelor of Law five-year programmes);
- Scholarship candidates must achieve satisfactory results in their previous academic year of study as to continue the eligibility of scholarship. Evaluation is based on each academic year's performance (yearly GPA) and not cumulative performance (such as cumulative GPA);
- Bachelor's degree students must have passed at least 15 credits for each semester of the academic year.

2. Requirement of Academic Performance

For students of the Faculty of Arts and Humanities, Faculty of Business Administration, Faculty of Education, Faculty of Health Sciences, Faculty of Social Sciences and Faculty of Science and Technology		For students of the Faculty of Law	
Grade Point Average*	% of Tuition Exempted	20-Point System	% of Tuition Exempted
GPA: 3.30-4.00	100%	14	100%

* The highest letter grade is A (GPA=4.00)

3. Termination of Scholarship

- The University reserves the right to terminate the scholarship (inclusive of tuition fee waiver, Residential College fee waiver and related eligibility) if a student:
 - cannot achieve the academic year's performance mentioned above;
 - cannot complete his/her study within the normal period of study;
 - changes programmes;
 - defers his/her study;
 - cannot achieve the Residential College requirements.
- Please refer to "Principals' Recommended Admission (PRA) Rules 2016/2017" for details of Lotus Scholarship.

Admission Examination Scholarship Rules

Our University offers “University of Macau Golden Lotus Scholarship for Admission Examination” and “University of Macau Silver Lotus Scholarship for Admission Examination” to candidates with outstanding performance in our Admission Examination. No application is needed, when qualified, candidates will first be notified by phone, then in writing on the publication of the Admission Examination results.

1. Eligibility

- 1.1 Scholarship selection is made based on a candidate's Admission Examination result, not including the bonus marks added through our University's Preferential Admission Scheme.
- 1.2 Candidates who have been exempted from taking particular Admission Examination subject(s) will not be eligible for selection of the Lotus Scholarship for Admission Examination.
- 1.3 All eligible candidates must have sat for the Admission Examinations and be registered students of offered programme of the current year.

2. Scholarship

- 2.1 University of Macau Golden Lotus Scholarship for Admission Examination
 - 2.1.1 Full waiver of tuition fee for 1st academic year;
 - 2.1.2 Half waiver of Residential College fee for 1st academic year (Students admitted to Bachelor of Law in Chinese and Portuguese Language Five-Year Programme will enjoy the half waiver of Residential College fee in their 2nd year of study)(for around 10 months of 2 semesters);
 - 2.1.3 Students must stay in Residential College for the 1st academic year as to enjoy the half waiver of Residential College fee. The eligibility of enjoying the half waiver of the Residential College fee during the 2nd to 4th academic year (during 2nd to 5th academic year of study for Bachelor of Law five-year programmes) will be subject to the university's approval. If students do not stay in Residential College for the 2nd academic year or onwards, the half waiver of the fee will not be granted. Students should comply with all the Residential College's rules during the stay in Residential College.
- 2.2 University of Macau Silver Lotus Scholarship for Admission Examination
 - 2.2.1 Full waiver of tuition fee for 1st academic year.
- 2.3 For the continuation scheme of scholarship, please refer to item no. 3 of the “Continuation Rules for Lotus Scholarship for Admission Examination”.
- 2.4 Scholarship recipients are obliged to participate and assist in any university activities which aim to cultivate students' sense of community service and their practical competence during the undergraduate study.

3. Continuation Rules for Lotus Scholarship for Admission Examination

- 3.1 All students granted with the Lotus Scholarship for Admission Examination, subject to their yearly academic performance, can continue enjoying full tuition fee waiver during 2nd to 4th academic year of study (during 2nd to 5th academic year of study for

Bachelor of Law five-year programmes);

- 3.2 Scholarship candidates must achieve satisfactory results in their previous academic year of study as to continue the eligibility of scholarship. Evaluation is based on each academic year's performance (yearly GPA) and not cumulative performance (such as cumulative GPA);
- 3.3 Bachelor students must have passed at least 15 credits for each semester of the academic year.
- 3.4 Requirement of Academic Performance:

For students of the Faculty of Arts and Humanities, Faculty of Business Administration, Faculty of Education, Faculty of Health Sciences, Faculty of Social Sciences and Faculty of Science and Technology		For students of the Faculty of Law	
Grade Point Average (GPA)*	% of Tuition Exempted	20-Point System	% of Tuition Exempted
3.30-4.00	100%	14	100%

* The highest letter grade is A (GPA=4.00).

4. Termination of scholarship

- 4.1 If a candidate accepts a Lotus Scholarship through "Principals' Recommended Admission" of the current year, he/she is not permitted to attend the Admission Examination of our University. If he/she is found to have applied for or to have attended the Admission Examination and is granted a Lotus Scholarship for Admission Examination, the University reserves the right to remove his/her qualification for both scholarships (inclusive of tuition fee waiver, Residential College fee waiver and related eligibility).
- 4.2 The University reserves the right to disqualify the candidate's scholarship (inclusive of tuition fee and Residential College fee waiver) if the candidate:
- 4.2.1 cannot achieve the academic year's performance mentioned above;
 - 4.2.2 cannot complete his/her study within the normal period of study;
 - 4.2.3 changes programme of study;
 - 4.2.4 defers his/her study;
 - 4.2.5 cannot achieve Residential College requirements.
- 4.3 Please refer to item no. 2 of the "Scholarship" for details of Lotus Scholarship.

Scholarship Continuation Policy for UM's Outgoing Exchange Students

(Approved by Financial Management Committee on 11/09/2009)

[For Undergraduate Programmes Only]

The scholarship continuation policy stated here is intended to apply to all UM's outgoing exchange students who are awarded scholarships by UM when they were admitted. UM's outgoing exchange students are advised to read this policy before they go abroad so that they can know what requirements to be fulfilled in order to continue their scholarships for the next academic year.

To be eligible for scholarship continuation, an outgoing exchange student should:

1. be a full-load student at the exchange university; and
2. fulfill the exchange study plan which they have agreed with their own faculties before they go abroad; and
3. achieve an overall result of Grade B or equivalent* at the exchange university.

* The equivalent means 3.0 on the 4.0 GPA scale, 16 on the 20-point scale or 80 out of 100.

If the above 3 requirements are fulfilled, scholarship continuation would be granted and tuition fee would be exempted based on the student's academic result achieved at UM accordingly.

- For students joining the one-year exchange programme, tuition fee exemption would be based on their yearly GPA achieved at UM in the previous academic year.
- For students joining the one-semester exchange programme, tuition fee exemption would be based on their GPA achieved in the semester at UM in the exchanged academic year.

For details of the related scholarship schemes, please visit the Registry's webpage at http://www.umac.mo/reg/cstudents_scholarships.php.

*Statistics of
Registered Students for
the Academic Year
2015/2016*

Statistics of Registered Students for the Academic Year 2015/2016

(by headcount)

	FAH	FBA	FED	FHS	FLL	FST	FSS	ICMS	Total
PhD	105	47	22	104	84	229	114	127	832
Master-s Degree	383	447	255	--	454	499	598	94	2730
Postgraduate Certificate	--	--	49	--	32	--	--	--	81
Bachelor-s Degree	962	2005	556	63	496	862	1432	--	6376
Total	1450	2499	882	167	1066	1590	2144	221	10019

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(data as at July 2016)

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Guokang ER 鄂國康	879
Guoqiang LI 李國強	855
Guoqiang ZHAO 趙國強	874
Guy LEFEBVRE	873

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Haifeng LI 李海峰	882
Haijian MAO 茅海建	886
Haiwei SUN 孫海衛	880
Haiyan LIU 劉海燕	889
Hang Fai Henry KWOK 郭珩輝	867
Hang Fai YEUNG 楊衡徽	858

Hans-Georg MOELLER	845
Hao HU 胡豪	26,900,907
Hari VENKATESAN	24,847
Haydn H. D. CHEN 程海東	13,14,15,18,20,24,28,878
Heng Hong LAM, Tony 林慶雄	26,914
Heng Man HO 何慶文	872
Heng TANG 唐恒	25
Heng Wa O 柯慶華	875
Henry Chun Kwok LEI 李振國	857
Heung Chin HUI, Walter 許向前	26,864
Hio Fong TONG 唐曉峰	874
Hio leong CHE 謝曉陽	891
Hio WU 胡曉	876
Hiroko IZUMI 和泉裕子	850
Ho King WU 胡皓景	890
Hoi Ling PANG 彭海鈴	848
Hoi Yan CHEUNG 張凱欣	861
Hojae SHIM 沈虎宰	880
Hok Cheung MA 馬學章	869
Hok Sam CHEONG, Samson 張學森	909
Hok Shing CHAN 陳學成	18,846
Hon Ho Hewick YU 余漢濠	869
Hong Gang JIN 靳洪剛	18,20,21,844
Hongfei DU 杜洪飛	889,891
Hongjie ZHANG 張紅杰	868
Hongyong LIU 劉鴻勇	848
Hongyu WANG 王紅宇	888
Hou IAN 殷灝	881
Hsiao-Chuan CHANG 張筱娟	888
Hua YU 余華	901,908
Huailin CHEN 陳懷林	887
Huaiyu SHAO 邵懷宇	882
Huanxing SU 蘇煥興	900,907
Hui PAN 潘暉	882
Hwai Ping WONG, Mark	851

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Ian Pui CHEANG 鄭潤培	862
Iat Meng WAN 溫日明	884
Iat Neng CHAN 陳溢寧	18,881
Ieng Ha LOU 盧映霞	875
Ieng SAM 沈鷹	19
Ieng Tak LEONG 梁應德	882
I-Hsuan HSIAO 蕭義宣	871
Im Lan CHEONG 張艷蘭	849
In Chio LOU 盧然超	882
Inocência MATA	783,847
Io Chao CHAN 陳曉疇	875

Io Cheng TONG 唐曉晴	23,870
Io Kei KUONG, Joaquim 鄭耀基	848
Iok Ip VONG aliás Francisca VONG 黃玉葉	875
Iok Tong NG 吳玉棠	23,882
Ion Wa FONG 馮潤華	849
Iris Lin YUAN 袁琳	858
Iris Sheung Ting LO 盧湘婷	857
Isabel Leonor da Silva Diaz de SEABRA	851
Isabel Siu Fong FU 傅小鳳	857

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Jacky Fok Loi HONG 洪福來	854
Jacky Yuk-Chow SO 蘇育洲	18,20,21,853,893
Janet Elizabeth RANDALL	851
Javier Calero CUERVO	856
Jay Joseph BIDAL	849
Jean-Paul Lafayette DUQUETTE	849
Jennifer Yuen Man LAI 黎婉雯	857
Jet Lianjie SHU 舒連杰	854
Ji YOU 由冀	885,887
Jia YUAN 袁嘉	856
Jiahong LU 路嘉宏	900,907
Jian Li, James 李堅	848
Jianbo WAN 萬建波	901,908
Jianbo XIAO 蕭建波	901,908
Jianbo ZHANG	852
Jianguo SHI 侍建國	19,21,23,846
Jianhong FAN 范劍虹	18,21,870
Jianhong LIU 劉建宏	886
Jianhua XU 徐建華	890
Jiantao ZHOU 周建濤	883
Jianwei WANG 王建偉	19,22,25,782,886
Jianxia DU 杜建霞	18,21,23,781,861
Jie XIONG	879
Jie XU 徐杰	844,846
Jimmy Chi Ming LEE 李志明	857
Jin HUANG 黃進	873
Jing CAI 蔡晶	900,907
Jing Ming YAO 姚京明	844,847
Jing ZHANG 張靜	851
Jing ZHAO 趙靜	901,908
Jingzhi GUO 過競志	879
Jinhua JIA 賈晉華	845
Jinjian LU 陸金健	900,907
Jin-Jy SHIEH 謝金枝	863
Jinlei NIE 聶金雷	865
Jinting WU 吳晉婷	19,864
Joana Isabel MARQUES CRISÓSTOMO	872
Joanne Sow Hup CHAN	856

João Calvão SILVA	873
João Manuel NUNES LEMOS DE ALBUQUERQUE	874
John Blair CORBETT	18,21,24,844,845
John Shijian MO 莫世健	18,20,21,896
Jonathan Tseung-hao CHOW	889
Jonty Man Kin LAM 林文堅	859
Joong Sup SHIM 沈仲燮	22,867
José Eduardo ISAAC SOARES DUARTE	875
José Jorge Simões CAVALHEIRO	850
José Manuel COSTA	874
Joseph Adea SY-CHANGCO	858
Joshua LEE	850
Juan ZHANG 張娟	864
Júlio Reis JATOBÁ	850
Jun YIN 殷俊	905
Jun ZHENG 鄭軍	868
Junda ZHU 朱俊達	884
Jung Woo PARK 朴政友	24,868

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Ka Chio FONG, Davis 馮家超	854,782
Ka Fai UN 阮家輝	905
Ka I CHE, Kathy 謝嘉儀	914
Ka Ian CHEANG 鄭家欣	890
Ka Ip LEONG 梁嘉業	914
Ka Ki WONG 王嘉祺	19,26,847
Ka Vai VU, Eduarda 鄺嘉慧	25,909
Kaeling TAN 陳凱靈	19,868
Kai Chun LEUNG 梁佳俊	891
Kaijian TANG 湯開建	886
Kam Chon CHOU 曹錦俊	874
Kam Hou VAT 屈鑑濠	884
Kam Weng TAM 譚錦榮	19,21,23,877
Kam Yiu PANG 彭錦耀	22,848
Kan Kan CHAN 陳勤勤	24,862
Kar Wei NG 吳嘉偉	882
Ka-Veng YUEN 阮家榮	17,18,19,20,22,23,24,25,27,879,909
Kay Sio Nga CHANG 曾子雅	888
Kazutoshi OHNO 大野和敏	851
Keang Ieng VONG, Peggy 黃鏡英	864
Kee Hung CHEUNG 張紀紘	849
Kei Kei NG 吳奇琦	872
Keith Edward PHARIS	891
Keith Siu Kwan LAM 林少群	855
Keng Hei VONG 黃景禧	876
Keng Pan TANG 鄧景濱	845
Kenneth W.Y. LEUNG 梁偉賢	903
Kevin Michael MAHER	850
Kevin THOMPSON 湯柏桑	903

Kim Hughes WILHELM	847
Kim Oi Mei KUOK 郭愛媚	859
Kin Fong SOU 蘇建峰	871
Kin Hong LAI 賴健雄	874
Kin Kei LEE 李建基	872
Kin Sun CHAN 陳建新	888
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Kin Yip TAM 譚建業	19,867
King Yan HO, Walter 何敬恩	862
Kit Hong O, Fiona 柯潔紅	910
Kit Ian KOU 高潔欣	879
Koon Ho Chris WONG 黃冠豪	867
Kuai Long SOU 蘇桂龍	23,25,909
Kumiko KIMURA 木村久美子	850
Kun Pang KOU 高冠鵬	19,23,877
Kun Seng VONG, Calvin 黃冠昇	913
Kuok Fan SI TOU, Antony 司徒珞璠	910
Kuok Ieng SEAK, Stanley 石國英	910
Kuong Seng CHAN 陳廣勝	874
Kwai Chee CHAU 周桂慈	26,909
Kwee Keong CHOONG	856
Kwek Ping YONG 楊國平	782,860
Kwok Cheung CHEUNG 張國祥	782,861
Kwok Keung WONG, Raymond 王國強	909,910,911
Kwok Kit TONG 唐國傑	26,888
Kwok Kwong TANG 鄧國光	846
Kwong Yiu LEUNG 梁光耀	865
Kwun Nam HUI 許冠南	881

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Lai Fan CHAN, Linda 陳麗芬	912
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Lam Lam CHU 朱琳琳	872
Lancy Vai Iun MAC 麥慧妍	858,897
Lap Mou TAM 譚立武	879
Lawrence Hoc Nang FONG 馮學能	857
Lei CHANG 張雷	885,886
Lei Cheng KUOK 郭莉菁	891
Lei ZHU 祝雷	19,877
Lei-po WONG 黃利寶	869
Leong Hou U, Ryan 余亮豪	883
Lewis Hon Keung TAM 譚漢強	856
Li CHEN 陳黎	884
Li DU 杜立	871
Lida Ling Ling ZHANG 張玲玲	858
Ligen LIN 林理根	900,907

Ligong LU 陸驪工	869
Lihu XU 徐禮虎	883
Lijun DI 狄利俊	18,867
Lili GAO 高力力	850
Liliana GONÇALVES	850
Liming ZHANG 張立明	883
Lin Zhi AI 艾林芝	18,872,897
Linda Xiaoyun CHEN 陳曉雲	854
Ling CHUNG 鍾玲	902
Lionel Ming-Shuan NI 倪明選	13,14,15,17,18,20,21,23,24,28,878
Liudmila GUBAREVA	783
Lixin YANG 楊立新	874
Long CHEN 陳龍	881
Lucy Xiaowan LIN 林曉婉	855
Luis Gonçalo GOMES DE ARAÚJO VASCONCELOS PESSANHA	875

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Makiko MINAGAWA 皆川 真樹子	851
Man Chong FONG 馮文莊	874
Man Chung WONG 黃民聰	880,904
Man Hoi LOK 陸萬海	882
Man Ieng MAI 米萬英	874
Man Kay LAW 羅文基	904
Man Kei LEI 李文祺	26
Man Shing SO 蘇文成	23
Man Yin CHIU 趙敏言	847
Mang I VAI 韋孟宇	880,904
Manuel Afonso Da COSTA	875
Manuel Antonio NORONHA	26
Manuel Marcelino ESCOVAR TRIGO 尹思哲	781,870
Manuel PORTO	873
Mao Keong LAO, Peter 劉茂強	914
Marco POHL	851
Maria Antónia ESPADINHA	845
Maria Fernanda Gil Pinheiro da COSTA	846
Maria Isabel da Silva MATOS	850
Maria José Dos Reis GROSSO	847
Marilyn Ann EVERSOLE	849
Mário Augusto SILVESTRE	875
Mario CAMS 康言	890
Mário Rui Lima de Oliveira Pinharanda NUNES	848
Mario WENNING	848
Martin Mathew MONTGOMERY	845
Mary Lai Ping CHAI 柴麗萍	854
Mary Lucy ROBERTS	891
Matthew Ian GIBSON	847
Matthew Tai Hong YAP 叶大方	858
Matthew Tingchi LIU 劉丁己	855
Mauro BUSSANI	873
Mei KOU 高薇	13,14,15,18,28

Mei Leng TAM 譚美玲	848
Mei WU 吳玫	888
Meifang ZHANG 張美芳	846
Mei-Jiun WU, Michael 吳梅君	864
Meiwan CHEN 陳美婉	900,907
Melody Chia-Wen LU 呂家玟	890
Meng Kai LAI, Dick 黎明佳	914
Michael Barry SHARE	891
Miguel Ângelo LOUREIRO MANERO DE LEMOS	872
Miguel GOMES DA COSTA Junior	884
Miho ANDO 安藤美保	850
Min-Chuan SUNG, Audrey 宋明娟	863
Ming Wai WONG, Matilda 黃明蕙	864
Ming Yuen LEE 李銘源	24
Ming Yuen LEE, Simon 李銘源	899,906
Ming-Chuen YIP 葉銘泉	902
Minghua LIU 劉明華	855
Mingli ZHENG 鄭明禮	19,888
Mingming ZHOU 周明明	782,864
Mingyu WANG 王銘宇	848
Miu Mei LEI, Candy 李妙媚	28,913
Mobley, William H. 茅博勵	782
Moon Fai CHAN 陳滿輝	869
Morbey Wei WANG 王薇	871
Morris Ming LIU 劉明	857
Muruga Perumal RAMASWAMY 白祿孟	19,870

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Nai-Hua LIU, Natalia 劉乃華	863
Neng Ian CHEANG 鄭寧人	849
Nevia DOLCINI	22,848
Newman Ming Ki LAM 林明基	887
Nga Ut LEONG, Joan	850
Ni CHEN 陳霓	887
Ningyi DAI 戴寧怡	881
Nuno Fernando Correia Neves PEREIRA	875
Nuno GOMES	851

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Oi Wai PUN 潘愛慧	26
Olwen BEDFORD	890

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Pak Kin WONG 王百鍵	19,21,24,877
Patricia Anne THOMPSON	19,864
Patrick Chang Boon LEE 李壯文	855
Patrick Kuok Kun CHU 朱國權	856

Patrick Wai Hong HO 何偉雄	887
Paul B. SPOONER	891
Paul Wah Tung POON 潘華棟	18,22,909
Paula Cristina Figueiredo de CAMPOS	851
Paula Rute PEREIRA GARCEZ NUNES CORREIA 高寶娜	871
Paulo Jorge TAVARES CANELAS DE CASTRO	871
Peilian CHI 池培蓮	889
Peng Chun VONG 黃炳銓	781,858,911
Peng LI 李鵬	900,907
Peng Un MAK 麥炳源	882
Peter LEVRAI	850
Peter Man Wai CHUI 徐文威	859
Peter Paul JAKUBOWICZ	892
Peter Thomas ZABIELSKIS	890
Pey-Tee OON 溫佩娣	863
Philip Chun-Lung CHEN 陳俊龍	18,20,21,877,878
Philip Kin Fun LAW 羅建勛	857
Philip Sau Tak PUN 潘守德	859
Philip Yeung Fai SIU 蕭楊輝	887
Phillips LAO Jenny 劉鈺馨	865
Ping Cheng WANG, Dennis 王秉正	864
Ping Cheung CHAN, Patrick 陳炳祥	26,27,912
Ping LI 李憑	891
Ping Man WONG 黃炳文	861
Ping ZHAO 趙萍	884
Ping-Cheng WANG 王秉正	25
Pou Seong SIT 薛寶嫦	863
Priscilla Pui Sun TAM 譚珮璇	856
Pui In MAK 麥沛然	880,904
Pui Man HOI 許貝文	25,900,907

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Qi ZHAO 趙琦	868
Qian Kathy LUO 羅茜	866
Qiang CHEN 陳強	868
Qiang YU	869
Qingsong XU 徐青松	880
Qingwen ZHANG 張慶文	900,907
Qiongyan ZHUO	851
Qiwon XU 徐啟文	883
Quan ZHOU 周全	864

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Raimundo Enedino dos SANTOS	848
Raymond Chi Ho LOI 雷智豪	855
Rebecca Wun Lei LAO 劉煥莉	859
Renhe XU 徐仁和	19,866
Ricardo Chi Sen SIU 蕭志成	856

Ricardo Moutinho Rodrigues da SILVA	848
Richard Dennis FITZGERALD	887
Richard Dequan YE 葉德全	23
Rico Long Wai LAM 林朗為	19,853,854,893
Robert Joseph TAORMINA	890
Robert P BIUK-AGHAI 羅景山	881
Roberval SILVA	26
Roberval Teixeira e SILVA	848
Robin Chi Hang CHARK 翟智恆	856
Rodney Bruce HALL	886
Rose Neng LAI 黎寧	15,17,19,21,23,853,854
Rose Xiaoming LIU 劉曉明	855
Rostam J. NEUWIRTH	871
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Roy Christopher WOOD	19,21,853,854
Ru YAN 燕茹	900,907
Rui Paulo da Silva MARTINS 馬許願	13,14,15,18,20,23,28,878,904
Rui Pedro DE CARVALHO PERES DO AMARAL	875
Ruibing WANG 王瑞兵	901,908
Ruihong WANG 王瑞虹	867
Ruiyu XIE 謝瑞瑜	867
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Ryan Alan HUNTER	850

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Sam CHAO 周沁	881
Sao Leng IEONG, Sylvia 楊秀玲	861,912
Sao Wai LONG 龍秀慧	25
Sara SANTOS	851
Seak Weng VONG 黃錫榮	880
Sean William GRANT	18,850
Seng Fat WONG 黃承發	24,883,897
Seng Kin LAO 劉承堅	884
Seng Pan U 余成斌	879,904
Seng Peng MOK 莫昇萍	25,882
Shaodan MA 馬少丹	880
Shaoping LI 李紹平	899,906
Shih Diing LIU 劉世鼎	887
Shih-Ya KUO 郭世雅	889
Shing On LEUNG 梁成安	18,21,862,894
Shoutong ZHU 朱壽桐	19,782,844,845
Shuang Peng WANG 王雙鵬	883
Shuh Ren JIN 金樹人	19,21,861
Shuk Fan WONG, Fanny 黃淑芬	865
Shulin YU 于書林	864
Si Man LEI, Alice 李思敏	863
Siew Huat KONG 江紹發	855
Sik Chung TAM 譚錫忠	880

Simon lok Kuan WU 胡玉均	859
Simon James FONG 方正天	879
Simon Man Shing SO 蘇文成	858
Sin I MA, Miranda 馬倩兒	850
Sin Wa PANG, Angela 彭倩華	913
Sio Hang PUN 潘少恆	905
Sio Heng AO 區少卿	849
Sio In KUAN, Leona 關小燕	26,913
Sio Kei SOU 蘇兆基	875
Sio Ngai CHEONG, Irene 張少艾	913
Sio Pou WONG, Sue 王小寶	913
Sio Wa HO 何少華	891
Siu Kwai YEUNG 楊兆貴	864
Siu Long LEI 李兆隆	882
Siu Wai LEUNG 梁少偉	900,907
Siu-Miu CHIU, Luda 趙小苗	862
Soi Po WONG, Water 黃水波	865
Sok Hei VONG 黃淑禧	876
Sou Kuan VONG, Teresa 黃素君	862
Spencer Alan BENSON	18,22,23,24,25,866,911
Spencer De LI 李德	19,21,885,887
Stanley Iat-Meng KO 高日明	857
Stella Ieng SAM 沈鷹	859
Sten Idris VERHOEVEN	871
Steven Xu ZHANG 張旭	858
Sumiko ITO	850
Sun Young AHN	851
Susan Jinjuan REN 任錦娟	855
Sut Kam HO 何雪琴	881
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Tai Man AO IEONG 歐陽棣文	22,881
Tak Ching CHEUNG, Neky 張德貞	852
Tak Wing NGO 吳德榮	886
Takaji SANTO 佐藤太嘉璽	852
Takuya GUNJI 郡司拓也	851
Tao LI 李桃	889
Tao QIAN 錢濤	878
Tat Leung IP 葉達良	851
Tat Ming SZE 施達明	863
Teng LAM 林定	19,884,911
Teng Pio IAU 邱庭彪	24,26,870
Teresa CHU 朱善欣	26,856
Teresa LANCY G ALBUQUERQUE E SOUSA ROBALO	872
Theresa Van Kam TCHIANG 鄭蘊琴	859
Tianji CAI 蔡天驥	888
Tianshu ZHU 朱天舒	890
Tien Ping HSIANG 向天屏	26,862

Tieyuan GUO 郭鐵元	887
Timothy Alan SIMPSON	885,887,898
Timothy James KERSWELL	19,890
Timothy Kheng Guan TEO 張慶元	19,21,22,23,861
Timothy SIMPSON	19,21,23,24
Ting XIE	869
Todd JACKSON	886
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Tony Kin Meng SAM 岑健明	858
Trevor Yau Lun YEUNG 楊友倫	860
Tsz On LEE 李子安	25,867
Tze Wood CHING 程子活	881
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U Kei WONG, Frankie 黃宇棋	865
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Vai Pan IU 姚偉彬	878,903
Vai Va VONG 王偉華	875
Vanessa Sio Tan SI TOU 司徒小丹	859
Vera Lúcia Carapeto RAPOSO	871
Victor Da-Hsuan FENG 馮達旋	911
Victoria S. HARRISON	846
Vinh Quoc Trieu DANG 鄧榮	889
Vivian Felicio CHAPLIN	849
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Wai Fong TOU 杜慧芳	874
Wai Hong CHANG, Betty 曾偉紅	914
Wai Kam CHEONG, Katrina 張惠琴	914
Wai Kin LOK 駱偉建	870
Wai Kit WONG, Bernard 黃偉傑	876
Wai Kwok LO 盧偉國	781
Wai Meng QUACH 郭偉明	19,880
Wai Neng HO 何偉寧	874
Wai Po CHEUNG 張偉保	861
Wai Wa CHOI 蔡偉華	881
Wan Cham MA 馬雲騷	865
Wan Fong HUI, Viny 許雲芳	863
Wan Lung YAM 溫龍欽	884
Wan Wai LAM, Eric 林允維	913
Wang Hongyu WANG 王紅宇	897

Wanhuan ZHOU 周萬歡	880
Warren Jie WU 吳捷	856
Wei Chin WONG	892
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Wei SHI 史唯	890
Wei WANG MORBEY 王薇	19,21
Wei Wen CHEN 陳薇文	862
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Weigang CHEN 陳維綱	846
Weilie HU 胡衛列	873
Weiqing SONG 宋衛清	887
Weiwei LIU 劉蔚蔚	25,868
Wen WU 吳雯	883
Weng Fai IP 葉穎暉	881
Weng In SIU 蕭詠然	882
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Office Hours:

Monday – Thursday : 9:00 a.m. – 1:00 p.m. and 2:00 p.m. – 5:45 p.m.

Friday : 9:00 a.m. – 1:00 p.m. and 2:00 p.m. – 5:30 p.m.

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