

Undergraduate Curriculum Model & General Education Programme

The following undergraduate curriculum model was implemented from academic year 2019/2020 onwards:

Course Types		No. of Credits
1.	Major (CM + RE)	40 – 66
2.	Community and Peer Education (CPE)	3
3.	Languages and Skills^ (L&S)	3 – 15
4.	General Education (GE)	24 – 27
5.	Free Elective (FE)	9 – 50
Minimum Credit Requirement		120

^ Students who test out of the Languages and Skills course(s) are required to make up the credits by taking additional Free Elective(s).

Community and Peer Education

The Community and Peer Education courses focus on experiential learning. They are run jointly by the Faculties and the Residential Colleges (RC).

Community and Peer Education Courses	No. of Credits	Suggested Year Level
CPED1000 - Residential College Experiential Learning	1	1
CPED1001/1002 - Physical Education I/II	0.5 each	1
CPED2001 - Residential College Community Team Project	1	2

Languages and Skills

Languages and Skills is one of the components in the undergraduate curriculum model. It includes 0-9 credits of English language courses, 0-3 credits of Chinese and Portuguese language courses, and 3 credits of Information Technology course. Students can test out of some of the language course(s) but will be required to make up the credits by taking additional Free Elective(s).

Languages and Skills Courses	No. of Credits
¹ English Language	
University English	
EELC1011 - University English I	3
EELC1012 - University English II	3
EELC1013 - University English III	3
Academic English	
EELC2008 – Academic English: Speaking	3
EELC2009 – Academic English: Writing	3
EELC2010 – Academic English: Project-based Learning	3
English for Specific Academic Purposes	
EELC2011 – English Speaking for Academic Research	3
EELC2012 – English Writing for Academic Research	3
EELC2013 – English Integrated Skills for Academic Research	3
² Chinese or Portuguese Language	
CHLL1000 - University Chinese	3
PORT1000 - Portuguese Language I – Introductory Portuguese	3
³ Information Technology	
CISC1000 - Information Technology Fundamentals and Practices	3

¹ Please refer to the Registry's website (<https://reg.um.edu.mo/current-students/curriculum-model/ug-curriculum-model/languages-and-skills/>) for details about the course requirements of English language courses.

² Students can choose either Chinese or Portuguese language.

³ Students cannot test out of the Information Technology course.

General Education Programme

Students are required to fulfil the General Education requirement as follows: (Please refer to the Registry's website (<https://reg.um.edu.mo/current-students/curriculum-model/ug-curriculum-model/general-education/2017-2018/framework/>) for the most updated list of General Education courses.)

General Education Courses	No. of Credits	Suggested Year Level
<i>Global Awareness</i>		
¹ GEGA1000 - Macao and Chinese Civilization	3	1
GEGA1003 - Global Justice and the Creative Economy	3	1
GEGA1004 - Global History of Medicine	3	1
GEGA1005 - World History through Maps	3	1
GEGA1006 - Green Energy for Global Society	3	1
GEGA1007 - Nutrition in Health and Disease	3	1
GEGA2001 - Greater China and the Global Economy	3	2
GEGA2002 - Education and Globalization	3	2
GEGA2003 - Global Media	3	2
GEGA2010 - Migration and Multicultural Society	3	2
GEGA3001 - Understanding International Politics	3	3
GEGA4000 - Global Politics and Wealth	3	4

¹ Compulsory General Education course for all students.

General Education Courses	No. of Credits	Suggested Year Level
<i>Literature and Humanities</i>		
¹ GELH1000 - Chinese Language and Culture	3	1
GELH1001 - Chinese Languages and Chinese Communities	3	1
GELH1002 - Popular Literature and Life	3	1
GELH1003 - Contemporary Artistic Expressions in the Portuguese-Speaking World	3	1
GELH1008 - Trade, Empire and Globalization	3	1
GELH2000 - Creativity and Writing: English for a Global Readership	3	2
GELH2001 - Sex and the Arts	3	2
GELH2002 - The Holocaust, Genocide and Human Rights	3	2
GELH2003 - Visual and Performing Arts – Drama	3	2
GELH2004 - Visual and Performing Arts – Music	3	2
GELH2005 - Visual and Performing Arts – Visual Art	3	2
GELH2007 - History of Western Civilization	3	2
GELH2008 - Asian Values and Moral Traditions	3	2

¹ Compulsory General Education course for all students.

General Education Courses	No. of Credits	Suggested Year Level
<i>Science and Technology</i>		
¹ GEST1001 - Quantitative Reasoning for Business	3	1
² GEST1002 - Quantitative Reasoning for Social Sciences	3	1
³ GEST1003 - Quantitative Reasoning for Health Sciences	3	1
⁴ GEST1004 - Quantitative Reasoning for Science and Technology	3	1
GEST1005 - Internet, Business and Society	3	1
GEST1006 - Logic and Reasoning for Business	3	1
GEST1007 - Fun in Health Science	3	1
GEST1008 - Exploring the Earth	3	1
GEST1009 - Multimedia Technology in Modern Society	3	1
GEST1010 - Chemistry and Modern Society	3	1
GEST1011 - Environmental Science	3	1
GEST1012 - Electricity and Life	3	1
GEST1013 - Mathematics in Modern Society	3	1
GEST1014 - Mysteries of the Universe	3	1
GEST1015 - Physics and Modern Society	3	1
GEST1016 - Mystery of Chemistry	3	1
GEST1017 - Modern Drug Discovery: Drugs and Health	3	1
GEST1018 - Nutrition and Food Safety	3	1
GEST1019 - Microelectronic Chip Technology in Daily Life	3	1
GEST2000 - Active Lifestyles, Wellness and Sports Science	3	2
GEST2001 - Biology in Our Daily Life	3	2
GEST2002 - Psychology and Health	3	2
GEST2003 - Exploring Chinese Medicine	3	2

- ¹ Compulsory General Education course for FBA students.
- ² Compulsory General Education course for FAH, FED (except for Bachelor of Education in Mathematics) and FSS students.
- ³ Compulsory General Education course for FHS (except for Bachelor of Science in Bioinformatics) students.
- ⁴ Compulsory General Education course for FED (Bachelor of Education in Mathematics), FHS (Bachelor of Science in Bioinformatics) and FST students.

General Education Courses	No. of Credits	Suggested Year Level
<i>Society and Behaviour</i>		
¹ GESB1000 - Ethics, Values, Law and Society <ul style="list-style-type: none"> • GESB1001 - Applied Ethics • GESB1002 - Foundations of Moral Values • GESB1003 - Law and Society 	3	1
GESB1004 - Development of Games and Gambling	3	1
GESB1005 - Macao Law and its Real-Life Applications	3	1
GESB1006 - Economics of Everyday Life	3	1
GESB1007 - Understanding Macroeconomic Policies	3	1
GESB1008 - Understanding Government	3	1
GESB1009 - Personal Growth	3	1
GESB1010 - Psychology of Everyday Life	3	1
GESB1011 - Courtship, Marriage and Family	3	1
GESB1012 - Critical Problems in Contemporary Society	3	1
GESB1013 - Everyday Statistics	3	1
GESB2000 - Personal Finance and Wealth Management	3	2
GESB2001 - Food, Eating and Culture	3	2
GESB2002 - Business, Society and Entrepreneurship	3	2
GESB2003 - Creativity and Marketing	3	2
GESB2004 - Public Speaking	3	2
GESB2005 - Art and Society	3	2
GESB2006 - Understanding Population	3	2
GESB2008 - Psychology of Sexuality	3	2

¹ Compulsory General Education course for all students.

Rules Governing General Education Programme

(Approved by the Rector on 10 February 2017)

1. The number of required GE Programme credits is 24 to 27 credits depending on the individual Faculty/Programme. The distribution of GE credits among the four GE areas can be designed by individual Faculty/Programme.
2. Students must complete four compulsory GE courses:
 - Macao and Chinese Civilization in area of Global Awareness (3 credits)
 - Chinese Language and Culture in area of Literature and Humanities (3 credits)
 - Quantitative Reasoning in area of Science and Technology (3 credits)
 - Ethics, Values, Law and Society in area of Society and Behaviour (3 credits)
3. In addition to the four compulsory courses, students are required to complete the remaining GE credits (12 to 15 credits) among the four areas.
4. GE course credits cannot be double counted to satisfy other University or Faculty/Programme credit requirement.
5. There are no GE substitution courses in this GE model.
6. Students registered in the old programmes (2016/2017 or before) will be allowed to take the new GE courses to fulfil the GE requirement if there is a mapping area for 2011/2012 model.
7. Students registered in the new curriculum model will be allowed to take any additional GE courses to fulfil the free elective requirement.
8. Students must observe any additional rules on GE courses selection imposed by their Faculties/Programmes.

Course Description

Community and Peer Education

CPED1000 RESIDENTIAL COLLEGE EXPERIENTIAL LEARNING

This course is designed to enrich first-year students to collegial life, living and learning opportunities, and residential colleges 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 (Citizenship with Global Perspective, Cultural Engagement, Healthy Living, Interpersonal Relations and Teamwork, Leadership and Service) while documenting and assessing their personal growth in an e-portfolio.

Pre-requisite: None

CPED1001/1002 PHYSICAL EDUCATION I/II

Physical Education consists of theory of fitness (Part I) and basic sport concepts, knowledge and skill practice in team sport and individual sport (Part II).

Part I covers sport relevant concepts including the function of sports in life, sports injury prevention & treatment and sport knowledge. Students will learn theory, principle and regulation in fitness and know how to do exercise and workout regularly.

Part II focuses on skill-based physical fitness which includes one team sport and one individual sport.

Students will be guided to apply the concept of fitness sport theory and game strategy with skill when they learn sports for participating in sport and sport practice continuously.

Pre-requisite: None

CPED2001 RESIDENTIAL COLLEGE COMMUNITY TEAM PROJECT

This course offers students practical experience in communication and leadership through experiential learning in a community team project. Students of different majors will complete a creative team project on an assigned topic to promote specific positive values pertaining to RC character education to an identified audience in the society under the supervision of RC academic staff and the support of community partner(s). They need to acquire related knowledge of the positive values and the targeted audience as active learners themselves during the process. The student teams need to document their project outcomes in electronic form and make physical or online presentations reflecting on the learning process of the team project.

Pre-requisite: None

Languages and Skills

English Language

EELC1011 UNIVERSITY ENGLISH I

This is a one-semester Academic English course for elementary English language level students. Students have six class hours, one tutorial hour and an e-learning requirement. This course introduces basic academic listening, speaking, reading and writing skills through students' active participation in diverse and intensive academic and discipline-related activities and assessments at an appropriate elementary level. Simple academic texts and discipline-related materials

enhance students' accurate use of basic grammar structures, enlarge their vocabulary and facilitate their development of language skills for a variety of academic contexts. The course provides a foundation for students to develop the academic English skills and abilities necessary for studying at the university level in English.

Pre-requisite: None

EELC1012 UNIVERSITY ENGLISH II

This is a one-semester Academic English course for low-intermediate English language level students. Students have six class hours, one tutorial hour and an e-learning requirement. This course improves and consolidates academic listening, speaking, reading and writing skills through students' active participation in diverse and intensive academic and discipline-related activities and assessments at an appropriate low-intermediate level. Short academic texts and discipline-related materials enhance students' accurate use of more complex grammar and text structures, enlarge their vocabulary and facilitate their development of language skills for a variety of academic contexts. The course provides practice for students to develop the academic English skills and abilities necessary for studying at the university level in English.

Pre-requisite: EELC1011 or a required score in a placement test

EELC1013 UNIVERSITY ENGLISH III

This is a one-semester Academic English course for intermediate English language level students. Students have three class hours. This course develops and reinforces academic listening, speaking, reading and writing skills through students' active participation in diverse and intensive academic and discipline-related activities and assessments at an appropriate intermediate level. Academic texts and discipline-related materials enhance students' confident use of appropriate grammar and text structures, enlarge their vocabulary and facilitate their development of language skills for a variety of academic contexts. The course provides students with the academic English skills and abilities necessary for studying at the university level in English.

Pre-requisite: EELC1012 or a required score in a placement test

EELC2008 ACADEMIC ENGLISH: SPEAKING

This is a one-semester Academic English course for students with an intermediate English language level. Students have three class hours every week. The course requires students to apply the skills they have learned in previous University English or Academic English course(s). Additionally, students will learn to use introductory academic speaking skills. These skills include: logical persuasion, information sharing, meeting facilitation, impromptu speaking, and responding to questions. Students are expected to analyze sample academic speeches/presentations for discipline-specific academic features in preparation for advanced academic speaking. Depending on students' disciplines, they will be introduced to different genres in academic speaking (e.g. oral reports, persuasive/informative speeches, poster presentations, discussions, and oral reflections, etc.).

Pre-requisite: EELC1013 or a required score in a placement test

EELC2009 ACADEMIC ENGLISH: WRITING

This is a one-semester Academic English course for students with an intermediate English language level. Students have three class hours every week. The course requires students to apply the skills they have learned in University English or Academic English course(s). Additionally, students will learn to use introductory academic writing skills. These skills include: writing summaries and responses, conducting secondary research, evaluating sources, documenting the research process, considering the rhetorical situation, making an argument, paraphrasing from sources, using academic language, and writing coherently. Students are expected to analyze sample academic text for discipline-specific academic features in preparation for advanced academic writing. Depending on students' disciplines, they will be introduced to different genres in academic writing (e.g. essays, reports, case studies, research proposals, book reviews, literature reviews, reflective writing, etc.).

Pre-requisite: EELC1013 or a required score in a placement test

EELC2010 ACADEMIC ENGLISH: PROJECT-BASED LEARNING

This is a one-semester Academic English course for students with an intermediate English language level. Students have three class hours every week. The course requires students to apply the skills they have learned in University English or Academic English course(s). In groups, students will learn to use introductory academic writing and speaking skills to design and implement their multigenre/multimodal projects. These skills include: primary/secondary research, critical thinking skills, problem-solving skills, writing/presentation skills, teamwork, etc. Through experiential learning, students will be guided to observe, collect information, persuade, and generate a writing/speaking product.

Pre-requisite: EELC1013 or a required score in a placement test

EELC2011 ENGLISH SPEAKING FOR ACADEMIC RESEARCH

This is a one-semester academic speaking course for students with an upper-intermediate English language level. Students have three class hours every week. The course also addresses the information literacy and higher-order thinking skills necessary for conducting extensive secondary research, constructing ideas, providing evidential support, and structuring ideas coherently in spoken academic settings. Students develop both verbal and non-verbal communication in small and large group academic settings. Students will critically evaluate their own and others' performances, and will learn how to utilize a variety of technology enhanced communication tools. Other skills addressed in this course include critical thinking and argumentation.

Pre-requisite: EELC2008, EELC2009, EELC2010 or a required score in a placement test

EELC2012 ENGLISH WRITING FOR ACADEMIC RESEARCH

This is a one-semester academic writing course for students with an upper-intermediate English language level. Students have three class hours every week. This course addresses the information literacy and higher-order thinking skills necessary for conducting extensive secondary research, providing evidential support, and structuring ideas in coherent written academic texts. Students spend time responding to multiple drafts of peer academic papers to improve precision and clarity in the writing process. Other specific skills addressed in this course are critical thinking and argumentation.

Pre-requisite: EELC2008, EELC2009, EELC2010 or a required score in a placement test

EELC2013 ENGLISH INTEGRATED SKILLS FOR ACADEMIC RESEARCH

This is a one-semester integrated academic language course for students with an upper-intermediate English language level. Students have three class hours every week. Students will engage in data gathering, analysis and interpretation skills and communicate research results effectively in academic presentation or report formats. Students will critically evaluate their own and others' performances, and will learn to utilize a variety of technology-enhanced tools to aid in preparing and communicating academic concepts and findings. Upon completion, students are expected to have acquired a basic understanding of primary academic research methods and have developed techniques to effectively communicate concepts and research results.

Pre-requisite: EELC2008, EELC2009, EELC2010 or a required score in a placement test

Chinese or Portuguese Language**CHLL1000 UNIVERSITY CHINESE**

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 and practical usage. 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. Those reading materials will be focused on the different diversity courses techniques of those students from different majors. Presentation and communication techniques will also be gained.

Pre-requisite: None

PORT1000 PORTUGUESE LANGUAGE I - INTRODUCTORY 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

Information Technology

CISC1000 INFORMATION TECHNOLOGY FUNDAMENTALS AND PRACTICES

This foundational course introduces and explores the impact of information technology (IT) in our modern society. The course is designed to provide the fundamentals and practices for an effective use of IT in our daily lives. The course is divided in three modules:

- Module I introduces the fundamentals of IT, the Internet and the Web, connectivity and mobility, and important issues in computer privacy, security and ethics.
- Module II focuses on application software for computers and mobile devices.
- Module III explores computer hardware and computer software, mobile devices and apps, communication and networking.

Pre-requisite: None

General Education Programme

Global Awareness

GEGA1000 MACAO AND CHINESE CIVILIZATION

This GE course will provide an introduction to the history of Macao, focusing on the global processes that impacted the city's development and how this in turn helped shape the course of Chinese history from the sixteenth century (1500s) to the present. The aim is for students to engage with the history of Macao from international and local perspectives to gain an introductory

understanding of the role Macao has played in the intertwined histories of China and Eurasia. Through this, students should gain an appreciation for Macao's role in mediating China's relations with the wider world and how this has impacted China's transformation and development. This

course should help students understand how Macao's unique political, economic, and social position affected China's national development as well as the evolution of the Greater Bay Area.

Pre-requisite: None

GEGA1003 GLOBAL JUSTICE AND THE CREATIVE ECONOMY

Is there and can there be "global justice"? Can someone lie and say the truth, be guilty and innocent, smile and glower, be happy and sad, or happy and poor as well as sad and rich at the same time? What defines and drives the "creative economy"? Is it money and profits, work or satisfaction, or physical or mental labour, efficiency or creativity, or competition or cooperation? And how are global justice and the creative economy intertwined? These are only a few selected

questions that point to a deeper problem encountered in the 21st century, which was also referred to as the Age of Paradox (Handy, C., 1995). It is a problem that also connects the two concepts “global justice” and “creative economy”. Already each of the two concepts alone currently poses serious challenges to individuals, municipalities, regions, states as well as the world community as a whole. In combination, the complexity of their meaning rises drastically, often leading to a sentiment of confusion, paralysis, or disorientation. Thus, the challenges they pose are reflected in the many thousand decisions that we take on a daily basis, whether consciously or unconsciously, individually or collectively, as well as wisely or foolishly. The two concepts have in common their nature as, what has been called, “essentially oxymoronic concepts”, which are oxymora, contradictions in terms, or paradoxes. These essentially oxymoronic concepts all share that, by uniting apparently opposite statements or truths, their meaning contains some varying degree of contradictions, which pose a problem to a classical or binary logic of someone being either right or wrong, but not both at the same time.

In the case of ‘global justice’, the contradiction can be found in the presumption that “justice” is already difficult to establish within a single country or its legal system and even more so at the global level, with its multitude of different legal systems, cultures and languages. Similarly, the term ‘creative economy’ has evolved from the oxymoron ‘culture industry’, i.e. two terms representing cultural activity on the one hand and economic activity on the other, which in the past were widely regarded as not only separate but also incompatible. Together they give rise to many more such concepts, like “glocalisation”, “coopetition”, or the many “paradoxes of happiness”, which, in line with the unique features of a place like the Macao SAR, will be discussed in the course from a both Eastern and Western perspective.

Pre-requisite: None

GEGA1004 GLOBAL HISTORY OF MEDICINE

Health is a crucial issue in global history. As nobody escapes disease and death, healing traditions have developed in all parts of the world. This course is a fascinating exercise in which we will explore, on the one hand, the development of medical thought, concepts and ideas as well as shifting patterns of medical practices and therapeutic treatments in world history. On the other hand, we will focus on the transmissions, interactions and exchanges of healing traditions, pharmacopeia and related religious worldviews, and this over a space stretching from Europe across Asia, from China and India to West Asia and the Americas. We will reflect on the close relationships between medical thought and the prevailing political, social, economic and cultural conditions that unavoidably shape man’s living conditions. Moreover, we will uncover that there are all-encompassing and cross-cultural parallelisms showing that civilizations and cultures are not discrete and unalterable units, but have been subjected time and again to external influences and impacts. With a true interdisciplinary and comparative approach and with due attention paid to primary sources this course aims at promoting an awareness of the historical forces that have moulded, and continue to shape, medicine in the world and that help us to reach a deeper understanding of what defines modernity. This general education course is conceived to be an interactive forum in which for some of the individual sessions a selected number of international Eastern and Western specialists in the history of medicine and medical humanities will present their innovative perspectives.

Pre-requisite: None

GEGA1005 WORLD HISTORY THROUGH MAPS

This GE course aims to introduce selected topics in world history through the medium of maps. It will not be a course in the history of cartography. Rather, starting from map analysis, students will explore selected topics, such as world maps, east-west interaction, imperialist cartography and cartography in Macao from the different perspectives of art history, social history, the history of science, etc. The focus will be on the connections between continents and peoples, with a large part of the course devoted to the cultural exchanges between Europe and Asia, one of the department’s main areas of research.

Pre-requisite: None

GEGA1006 GREEN ENERGY FOR GLOBAL SOCIETY

The course will focus on the challenging issue that our human being is facing – The Energy. The course will talk the importance of energy to our future society, energies in old forms (such as oil and coal) and their detrimental effects, and the solutions to the challenge in the future. The contents will cover all of the green energies, including solar energy, wind energy, hydrogen energy, tidal energy, hydroelectricity, Biomass, Geothermal Power, and others (such as ocean, and hot hydrogen fusion), and energy storage. In addition, topics on air pollution and global warming will be investigated.

Pre-requisite: None

GEGA1007 NUTRITION IN HEALTH AND DISEASE

This course aims to provide the understanding of how nutrition advances are made and a view of the relationship between diet, nutrition and disease in detail. It also introduces the role of nutrition in global health. There is now a large body of evidence demonstrating that the satisfaction of nutritional needs is mandatory to human life. This course includes the dietary causes of chronic diseases related to lifestyle, such as hypertension, coronary heart disease, diabetes, obesity, and cancer. The course covers the methodology used to determine dietary, nutritional and health status and how evidence is gathered to determine the links between diet, nutrition and health.

Pre-requisite: None

GEGA2001 GREATER CHINA AND THE GLOBAL ECONOMY

Greater China includes Mainland China, Hong Kong, Macao and Taiwan. This course introduces to students the background and features of each region within Greater China. It especially covers the social and economic changes of Mainland China in the pre- and post- reform periods, its economic structure, its 5-year plans, and their implications for Asia and the entire world. The reform & opening-up policy, foreign direct investment, and international trade have transformed Mainland China into a significant global trader. Its social and economic integration with Hong Kong, Macao, and Taiwan is being deepened through CEPA, ECFA, and other agreements. Renminbi as an emerging reserve currency, the One-Road-One-Belt strategy, the Asian Infrastructure Investment Bank, and the new four China Free Trade Zones are the latest events of development important for economies and society in the Asian and European continents. All these topics will be discussed in this course.

Pre-requisite: None

GEGA2002 EDUCATION AND GLOBALIZATION

Globalization has become a centerpiece in our times when increasing economic, cultural, and educational interconnections propel nations and citizens to think globally and act locally. Drawing on international scholarship, this course aims to help students make sense of this multi-faceted phenomenon of globalization and examine key themes, issues, and trends that affect education around the world. A variety of topics will be discussed and students will be given opportunities to reflect and analyze their own educational system in relation to these themes and issues. No prior course work on related topics is required.

Pre-requisite: None

GEGA2003 GLOBAL MEDIA

The course aims to provide students with a set of literacies specific to the cultural field of the global mass media. Most of the information and knowledge, and also the ideas, opinions and attitudes, which students have about the world are derived from (increasingly digitally linked) media outlets and sources. However, while students utilize the media intensively, they do so with a relatively undeveloped (often merely tacit) understanding of the field's logics, values, discourses, genres and forms of address. Consequently students lack the ability to distinguish between different sources and levels of information, and have little idea how to critically evaluate the representations and presentations provided through the media. In this course students will learn about the mass media as a cultural field, and how to approach and utilize it as informed and literate users. This level of literacy will be demonstrated in a project that they will be required

to complete at the end of the semester, and also in oral presentations that groups will give on selected case studies. The course will also have a strong visual literacy component, whereby students will learn how audio-visual texts utilize combinations of visual, spoken and written language and signs to produce meanings and narratives for, and to hold the attention and influence the ideas and practices of, media audiences. Part of the feedback from the oral presentations will be directed to the kinds of literacies and techniques that help produce effective audio-visual texts: in this way the course will help students to learn both analytical & practical oral, visual and written communication literacies.

Pre-requisite: None

GEGA2009 GLOBAL PUBLIC HEALTH

Global public health is concerned with understanding the distribution of illness in diverse cultural and geographic contexts around the world. It also focuses on identifying the underlying determinants that influence health and evaluating programs and policies that can improve health. In this course, students will explore key global health issues including obesity, tobacco, cancer, cardiovascular disease, HIV/AIDS, mental health, and the social, cultural, and economic determinants of health. This course is interdisciplinary in nature and will explore global public health by borrowing perspectives from psychology, anthropology, sociology, economics, health communication, and behavioural health.

Pre-requisite: None

GEGA2010 MIGRATION AND MULTICULTURAL SOCIETY

Migration is a fundamental feature of our lives. In Macao, our ancestors and family may have left home, settled and created a migrant society together with other groups. 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. We will introduce macro factors structuring migration patterns and volume; how problems and crisis such as refugees and human trafficking affect the global politics and international relations. We will discuss migration policies of different countries and how they condition the migrants' entry, exit, settlement and entitlement to citizenship, as well as societal views toward different migrant groups. Students will also learn to look at migrants' identities and social networks through their own migration experiences or their family's migration history.

Pre-requisite: None

GEGA3000 GLOBAL BUSINESS AND CULTURES

Businesses, especially multinational corporations, play prominent role in the increasingly globalized world.

This course will therefore analyze how the contemporary global business environment and the free market economy has been evolving since the first publication of Adam Smith's "The Wealth of Nations" in 1776 and the world's first stock exchange invented by the Dutch in 1602 (i.e., Amsterdam Stock Exchange). As the contemporary business environment is highly globalized, this course will also adopt a cultural perspective on how to deal with counterparts from different parts of the world. Specifically, how different nations' cultures and the organizational cultures interact and affect the behaviors of employees will be discussed. The aim is to equip students a thorough understanding of how the contemporary business environment has been evolving and the skills to adapt to the latest development of globalization with cultural sensitivity. In addition to exposing to these historical, cultural and managerial dimensions of global business environment, students will also 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: None

GEGA3001 UNDERSTANDING INTERNATIONAL POLITICS

The field of world politics presents us with some of humanity's most difficult problems. Why do wars happen? Why are some countries rich and others poor? Why is it so hard to get countries

to cooperate? Is change possible in world politics or is humanity doomed to repeat the same political drama over and over again? This course introduces students to the fundamentals of international relations theory and how to employ theory to analyze important topics in world politics, such as the development of international institutions, the causes of war, transnational norms, and the role of non-state actors.

Pre-requisite: None

GEA4000 GLOBAL POLITICS AND WEALTH

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

Literature and Humanities

GELH1000 CHINESE LANGUAGE AND CULTURE

This is an introductory course to the key features of Chinese language and culture, with a special focus on the interplay between language and thought. The course will present a couple of case studies on how Chinese language influences the Chinese ways of thinking, how it shapes our understanding of Chinese philosophy, and how it gives rise to the debate regarding the comparison between Chinese and Western philosophy.

Pre-requisite: None

GELH1001 CHINESE LANGUAGES AND CHINESE COMMUNITIES

In this course the students expand their knowledge of Chinese languages and Chinese communities and understand language phenomena as an expression of culture and as a function of society. Through readings, discussions and mini-projects the students apply the sociolinguistics knowledge introduced to answer academic and practical questions. Global and local language situations are surveyed in a Chinese perspective and current issues in language matters are analyzed. Through problem-solving exercises, the students hone their skills of critical thinking, communication and collaboration.

Pre-requisite: None

GELH1002 POPULAR LITERATURE AND LIFE

Through classroom instruction for students to grasp the knowledge of Chinese Popular Literature such as: fiction, opera, folk song, etc. Topics such as the analysis and interpretation of texts, themes, psychology and sociological studies of selected masterpieces will be covered. Works discussed will focus on the connection with the life and experience of students, and include the different kinds of theme and genre of popular literature.

Pre-requisite: None

GELH1003 CONTEMPORARY ARTISTIC EXPRESSIONS IN THE PORTUGUESE-SPEAKING WORLD

In this course students will be introduced to the vibrant diversity of the artistic scene in the Portuguese-speaking countries, addressing the way they dialog with each other and establish multidirectional exchanges among them. The course will explore how the crosscurrents of artistic debate in the twentieth century have been particularly prolific in stressing the tension between tradition and innovation, center and periphery, convergence and divergence, especially in the aftermath to the postcolonial redefinition of these countries.

Pre-requisite: None

GELH1008 TRADE, EMPIRE AND GLOBALIZATION

This course traces the historical origins of globalization, examining the long-distance trade and imperial expansion that increasingly linked regions of the world together from around the year 1500. The course follows these phenomena through the modern period and up to the present. It explores how the lives of people around the world have changed in response to the globalization of society, culture, politics, and the economy.

Pre-requisite: None

GELH2000 CREATIVITY AND WRITING: ENGLISH FOR A GLOBAL READERSHIP

In this course students learn to express themselves creatively through the medium of English. 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 different types of poem, short 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 from different 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 writing for a global audience are integral to the course. Reading and homework assignments set from week to week challenge the student to create engaging creative texts from memory and imagination. Assessment is by individual portfolio including an agreed combination of individual and group work in different genres.

Pre-requisite: None

GELH2001 SEX AND THE ARTS

Physical relationship presents itself one way or another in everyday life and discourse. This course invites students to go beyond the biology and mechanics of human sexual behaviours and think about the aesthetics of eros as featured in the arts. Students will be introduced to an array of historical and contemporary representations, narratives and discussions of sex in visual arts (paintings, sculptures and films), music (from classical art songs and operas to hip hop lyrics and MVs) and literature. 'Sexuality in the Arts' considers how various forms of artistic creation reflect and shape perception and symbolism of sex in a range of historical and cultural domains. Material of discussion will be chosen from both Asian and Western contexts.

Pre-requisite: None

GELH2002 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 lead 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

GELH2003 VISUAL AND PERFORMING ARTS – DRAMA

This course consists of two major components: art introduction and drama. This course is designed to acquaint students with the vocabularies and concepts for critiquing and analyzing

performing arts. It examines the functions of dramatic art from social and global perspectives, and it encourages students to develop judgment in analysis and criticism of drama as a performing art form. Students will gain an overview of the generic concepts and historical movements in different forms of drama across eras and cultures. In the drama component, students will be introduced to the form and function of dramatic literature in relationship to theatrical performance. Study of plays as texts will lead to rehearsal and performance of selected scenes/acts from plays.

Pre-requisite: None

GELH2004 VISUAL AND PERFORMING ARTS – MUSIC

This course aims to encourage students to explore an extensive array of music genres throughout the history of Western and non-Western cultures and nurture a positive attitude and appreciation toward music. The students will learn to comprehend the elements of music (i.e., pitch, melody, rhythm, harmony, and form) and commonly used terminologies illustrated in major compositions. The students will travel through different periods (i.e., from the Middle Ages to the Contemporary Era) and listen to distinguished musical features associated with major composers and their popular works. Finally, the students will connect this knowledge to the present context that music has become prevalent in our daily lives (i.e., music in movies or public places). The proportion of Western music is approximately 70%, whereas that of non-Western music (i.e., Chinese or other Asian cultures) is 30%.

Pre-requisite: None

GELH2005 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 enables us not only to enjoy art through deeper understanding of the works, but also to recognize and realize our creative potential and capability, as well as to cultivate and broaden 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—Form, Style & Culture, 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 and theme/culture. Masterpieces from different regions/places reveal not merely local colors, but also rich cultural contents, echoing profound problems of life for seeing and understanding the world.

Pre-requisite: None

GELH2007 HISTORY OF WESTERN CIVILIZATION

This course examines the evolution of western civilization from antiquity to the eighteenth century. Over the course of the semester, students will develop an understanding of how the concept of “western civilization” – that is taken to mean, the social and cultural norms, ethical values, traditional customs, religious beliefs and political systems of “the west” – were based historically on a series of cultural borrowings – artistic, literary, intellectual and political – between rivaling states and empires based mainly in Europe. With the rise of Christianity in the Late Roman Empire, students will examine how peoples in Europe gradually became aware of themselves and the lands they inhabited as being “western”, and of being part of a “western civilization” . Defining themselves first against other powerful civilizations, most notably Islamic civilizations in “the East”, this process quickly gathered speed in the sixteenth century as Europeans gradually moved to other parts of the world and began encountering other “non-western” peoples from Asia, Africa and the Americas.

Pre-requisite: None

GELH2008 ASIAN VALUES AND MORAL TRADITIONS

This course introduces students to major moral traditions (for example: Hinduism, Buddhism, Confucianism, Daoism, Shinto, or Bushido) in Asia. Close attention is given to basic values and ethical categories (for example: karma, samsara, moksha, dharma, ren, li, or dao) 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. Pre-requisite: None

Science and Technology

GEST1001 QUANTITATIVE REASONING FOR BUSINESS

This course aims at providing students a sound foundation in mathematics that is required for future courses in quantitative methods and economics, as well as for some business subjects. The course also discusses how to apply quantitative techniques in dealing with some business and economic problems. By exposing the students to various business and economic applications through a wide range of mathematical procedures, the students not only will get familiar with numerous business procedures that require the use of mathematics, but will also be able to use mathematics to solve some basic business problems.

Pre-requisite: None

GEST1002 QUANTITATIVE REASONING FOR SOCIAL SCIENCES

The goal of this course is to develop students' quantitative reasoning skills through the enhancement of their mathematical and statistical literacy. The content of this course includes managing your money, logic, probability and statistics and basics of mathematical modelling. Real-life applications will be emphasized.

Pre-requisite: None

GEST1003 QUANTITATIVE REASONING FOR HEALTH SCIENCES

The goal of this course is to develop students' quantitative reasoning skills through the enhancement of their mathematical and statistical literacy. The content of this course includes financial mathematics, logic, statistics, and linear programming and optimization. Application examples for health sciences will be emphasized.

Pre-requisite: None

GEST1004 QUANTITATIVE REASONING FOR SCIENCE AND TECHNOLOGY

This course aims at providing a solid foundation of one variable calculus for science and technology students. The topics include basic reasoning skills, limit and continuity, derivative and its applications, integral and its applications.

Pre-requisite: None

GEST1005 INTERNET, BUSINESS AND SOCIETY

The emergence of Internet has changed society significantly. One of the main reasons for the tremendous changes is the popularity of Internet services offered to Internet users who make use of them in both business and personal life. This course will, therefore, introduce some popular and important Internet services to students and describe how they improve the operational efficiency in business and society. In addition, there is discussion of Internet security and privacy issues.

Pre-requisite: None

GEST1006 LOGIC AND REASONING FOR BUSINESS

This course is to introduce the basic concepts of logic, apply the knowledge in the context of daily applications and reasoning and to enhance student's generic analytical ability in the area of business operations and strategy. The course will make use of various business scenarios to provide the students with training in thinking methods, different ways in solving the same problem, not just only the knowledge of the techniques of logic. Topics include concepts of logic and reasoning, logic puzzles, propositional logic, syllogistic logic and predicate logic.

Pre-requisite: None

GEST1007 FUN IN HEALTH SCIENCE

This course introduces important topics related to health in daily-life including the effect of environment, nutrition, and genetics on health, healthy aging, and mental and physical well-

being. Biotechnology innovations and lifestyle modifications that can impact human health will be introduced. The course will be taught from a biological, biomedical, and biotechnological perspective. Students will participate in regular fun educational activities related to health sciences that illustrate and enforce the concepts learned in class.

Pre-requisite: None

GEST1008 EXPLORING THE EARTH

An introduction to major principles of physical geology covering the structure of the Earth, plate tectonics, volcanism and mountain building processes, weathering, sedimentation and rock formation, metamorphism and rock cycle, mass movement, earthquake, surface and underground water process, water and climate change.

Pre-requisite: None

GEST1009 MULTIMEDIA TECHNOLOGY IN MODERN SOCIETY

The aim of this course is to introduce and explore the impact of multimedia technology in different aspects of modern society. The contents include visual communications, digital content in website, digital effects, moving image, new media possibilities and experience. The course is also designed to provide the fundamentals and practices for popular technologies and application software for 2D and 3D composition in our daily lives, such as Adobe Photoshop, Autodesk 3DS Max, etc. Lastly the course explores the creativity in interactive and tangible media, and possible research areas in multimedia.

Pre-requisite: None

GEST1010 CHEMISTRY AND MODERN SOCIETY

This course is designed for students that are non-chemistry majors and will be taught with a physical science basis. This course relates application of chemistry to the benefits of modern society. It provides an introduction to the study of the properties and changes in matter. Course emphasizes topics such as: sustainable future, global climates, energy usage followed by their applications in synthetic plastics, medical drugs, food nutrition, genetic engineering, and modern materials.

Pre-requisite: None

GEST1011 ENVIRONMENTAL SCIENCE

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/biochemical 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 explore physical and biochemical processes and appreciate the importance of the quality of environment.

Pre-requisite: None

GEST1012 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, Health and Safety of electricity for the human life. Some demonstrations and hand-on experiments are also arranged to provide hand-one experiences and insights for the students on the relative topics.

Pre-requisite: None

GEST1013 MATHEMATICS IN MODERN SOCIETY

The aim of this course is to enhance students' mathematical literacy and interest. It emphasizes the relevance and practicality of mathematics in modern society. Through the study of different applications, students will see how mathematics comes into our daily lives. The mathematical techniques involved are taught via hands-on applications. The topics discussed may vary from year to year.

Pre-requisite: None

GEST1014 MYSTERIES OF THE UNIVERSE

In this course, we aim to explain the fundamental concepts including gravity, Einstein's relativity, cosmology, etc. Topics including the solar system, the climate of the earth, the life cycle of stars, gravitational lensing, cosmic microwave background radiation will also be discussed. No prior knowledge of astronomy is necessary.

Pre-requisite: None

GEST1015 PHYSICS AND MODERN SOCIETY

To enable students to know the use of physics in modern society and technology. Fundamental laws of nature are emphasized with examples of various applications in daily life. Moreover, selected topics of physics relevant to modern society are included. Topics are presented at an introductory level for the students with little or no background in physical science.

Pre-requisite: None

GEST1016 MYSTERY OF CHEMISTRY

This course will describe a series of interesting stories about the birth, evolution, and important discovery of chemistry. Students will learn fundamental chemistry knowledge from interesting chemistry stories, discovery of chemistry mysteries, and through in-class fancy chemistry demonstrations. The course will also bring students to the frontier of modern chemistry researches which are closely related to our daily life.

Pre-requisite: None

GEST1017 MODERN DRUG DISCOVERY: DRUGS AND HEALTH

How many drug pills and tablets do you take in your lifetime? What's the role of drugs in human society and today's health care system? What separate drugs from food and toxins? How long does it take to find a new drug and why some drugs are so expensive? If you have ever had one of these questions, then consider taking this GE course. The course aims to enhance understanding and appreciation of the important and multifaceted roles that drugs play in our daily life. No previous background in pharmaceutical or life sciences is required.

Pre-requisite: None

GEST1018 NUTRITION AND FOOD SAFETY

With the huge rise in diet-related illnesses such as obesity, type II diabetes and cardiovascular disease, and in food safety emergencies, this course aims to provide students with knowledge of the dynamic fields of human nutrition and food safety. It includes an overview of nutrition and human health, and various topics ranging from explanations of the fundamental nutrients (e.g. carbohydrate, lipid, protein and minerals) to the numerous risks to our food and water supplies (e.g. bacterial contamination, agricultural pesticides, food additives, allergens, and industrial chemicals). It will also introduce students to the serious effects of diet-related diseases/disorders and provide them with the knowledge required to make good food choices. This GE course will be of great interest to all learners because the contents are relevant to daily life.

Pre-requisite: None

GEST1019 MICROELECTRONIC CHIP TECHNOLOGY IN DAILY LIFE

As enabled by powerful technology, microelectronics have become essential in our daily lives. They are also used in a wide range of fields such as healthcare, environmental monitoring, robotics or entertainment etc. This introductory course in microelectronics is tailored for non-engineering students and teaches how to use microelectronic chip components interacting with the environment through sensors and communicate wirelessly with other devices. It covers topics from evaluation and implementation of sensor interface, data conversion, signal processing and device communications. This customized course is bottom-up based, which starts from introducing basic components in information systems, such as 5G communication. Then, followed by system and architectural interface considerations. Finally, the students have a chance to complete a case study on one for Artificial Intelligence and Internet of Things (AIoTs) related system.

Pre-requisite: None

GEST2000 ACTIVE LIFESTYLES, WELLNESS AND SPORTS SCIENCE

This course is designed to expose students to the relevant principles in sports science as related to health and fitness, and to discuss how students can apply the relevant sports science principles in one's daily life for making sustainable healthy life style choices to improve one's health and fitness. From the perspectives of sports science, topics relevant for health and fitness, such as health promotion, concepts and principles of exercise, self-evaluation and exercise prescription for health-related physical fitness, effective weight management and nutritional issues, building up healthy social relationships through fitness exercise and practice, sports injury prevention, first aid, etc., will be covered. The course emphasizes the relevance and application of the sports science principles for improving one's physical and mental health.

Pre-requisite: None

GEST2001 BIOLOGY IN OUR DAILY LIFE

In this course, students will be introduced to basic concepts and principles of human biology and health, and recent technological advances in biomedical science. This class aims to highlight on how biology affects human daily life, from simply understanding human bodies to nutrition, treatment of diseases such as cancer and infection, and the personalized medicine. This course will not only broaden the scope of students' understanding of the world from life science perspectives, but also increase overall awareness of the fact that life science has profound effects in everyday life.

Pre-requisite: None

GEST2002 PSYCHOLOGY AND HEALTH

How is stress linked to heart disease? Will the immune system change because of psychological stress? Can a sugar pill cure back pain? Do married people live longer? What influences healthy eating? What helps people to cope with illness? Are there ethnic variations in health? How can we change people's health behaviors to improve their health? This course tries to answer these questions, and provides an overview of Health Psychology — a young and exiting field of study that examines the bi-directional relationship between people's thoughts, feelings, behaviors, and their physical health.

Pre-requisite: None

GEST2003 EXPLORING CHINESE MEDICINE

Traditional Chinese medicine (TCM) has been practiced in China and other Asian nations for more than 2,000 years and has gained increasing attention and popularity all around the world including Europe and North America. The main objectives of this course are 1) to provide a historical overview of the discoveries our ancestors made from natural products; 2) to discuss how modern technologies are used for mining the treasure and uncovering the healing power of Chinese medicine; 3) to introduce the cultures developed along with the therapeutic philosophy in Chinese medicine. Students will learn the basic principles of TCM, and acquire up-to-date information on the medicinal use and scientific research of TCM.

Pre-requisite: None

Society and Behaviour

GESB1000 - ETHICS, VALUES, LAW AND SOCIETY

- **GESB1001 APPLIED ETHICS**

This course component examines the role of ethics in building a just and fair society. Students will be introduced to typical ethical problems they will face in work and society, learn how to apply ethical principles to comprehend and analyse these problems, and make better decisions accordingly.

Pre-requisite: None

- **GESB1002 FOUNDATIONS OF MORAL VALUES**

How should we live? What is a right conduct and a good life? Why do moral values need foundations? The aim of this course is to help students to understand basic moral theories and ideas in philosophy and religion that shape values of our lives. The course will also provide students with the intellectual resources needed for thinking systematically and critically about some of moral and ethical issues in a contemporary context.

Pre-requisite: None

- **GESB1003 LAW AND SOCIETY**

This course component aims to introduce the basic knowledge of the Constitution of China and the Basic Law of Macao at both theoretical and practical levels. It is hoped that this course will help students to understand the basic concepts, theories, principles and spirit of the Constitution and the Basic Law, the basic system of the State and Macao, and the importance of the Constitution and the Basic Law to Macao SAR and the Macao residents.

Pre-requisite: None

GESB1004 DEVELOPMENT OF GAMES AND GAMBLING

This course introduces the history of gambling and games. Gambling is a major leisure activity performed by many individuals worldwide. It can take various forms including lottery, sports, horse racing, and casino. This course will introduce students the history of gambling and wagering games across different national cultures including Chinese, Americans and Europeans. Students will examine how gambling and wagering games have evolved over time. It is hopeful that through the lens of time, students can begin to understand the reasons why people take risks and gamble.

Pre-requisite: None

GESB1005 MACAO LAW AND ITS REAL-LIFE APPLICATIONS

This course provides an account and analysis of the text and practice of the Basic Law of the Special Administrative Region of Macao (Macao SAR) within the political or constitutional system of the People's Republic of China (PRC). We will start with constitutional law, and then move to Macao basic law. We hope that, after finishing the course, students can better grasp the basic theories and concepts of Constitutional Law and Macao Basic Law, and better understand the spirit, structure and workings of Chinese constitution and Macao's political regime. This course is aimed to prepare students for correct and deep understanding and analyzing the constitutional, political, and public phenomena and questions that our country and region are facing.

Pre-requisite: None

GESB1006 ECONOMICS OF EVERYDAY LIFE

This course provides an introduction to the basic ideas in economics. It will discuss how individuals and firms make their decisions and how to interact with each other. The operation of markets, including the competitive markets and monopolists markets, will also be discussed. The course will also explore the functioning of labor market, product market and other factor markets. The course will use real-world examples to illustrate the economic principles and their applications.

Pre-requisite: None

GESB1007 UNDERSTANDING MACROECONOMIC POLICIES

This course will introduce students to the study of macroeconomic policies by the government and central bank. Concepts such as national income, gross domestic product (GDP), unemployment, money, inflation, and exchange rate will be discussed. Fiscal policy from the government and monetary policy from the central bank will be introduced and their effects on these macroeconomic variables will be studied. The roles of macroeconomic policies in dealing with real-life economic problems, for example, fighting unemployment, curbing inflation, and so on will be analyzed. Interactions among different markets will be introduced to help students understand how macroeconomic policies work.

Pre-requisite: None

GESB1008 UNDERSTANDING GOVERNMENT

To understand the structures, responsibilities and importance of government(s) in contemporary time. How governments respond to public needs and people's interests while maintaining the fundamental principles of legality, justice, equality, rights and democracy etc. make up the core of the course. How public policies are made and how they facilitate social progress and development will be another important content. Lastly, how governments interact with the public, community, private sectors, NGOs, and also the external environment will be a third concern introducing students to the important role of government. Examples will be drawn from various places. Reference to current issues or events will complement lectures.

Pre-requisite: None

GESB1009 PERSONAL GROWTH

Personal and social competence is key to self-discovery and self-knowledge with the aim of becoming involved and succeed in the innovative global economy of the 21st century. The purpose of this is to engage students with the psychological approaches to self-development, leadership, creativity, and interpersonal competence that would help them deal with the unfamiliar and unexpected nature of an ever-changing future. The course will focus on topics such as self-esteem, life goals and careers, personality, the various forms of intelligence, and persuasion and conflict management. Other topics relate to friendship and love, coping mechanisms for difficult life situations, and socio-cognitive processes evident in interpersonal relations in daily life, and students will also actively engage in research through participation in psychological studies and experiments.

Pre-requisite: None

GESB1010 PSYCHOLOGY OF EVERYDAY LIFE

Psychology is the study of mind and behaviour. Research in psychology seeks to understand and explain mental processes, emotions, and behaviour. Applications of psychology include performance enhancement, self-help, mental health and many other areas affecting everyday life and work. In this course, we will overview key topics in psychology such as learning, memory, human development, personality, feelings, motivations, and social behaviour representing some of what psychology seeks to understand and explain. In this foundation course, we will take a grand tour of the most prominent theories, principles, findings and applications of psychology, and engage actively in research through participation in psychological studies and experiments.

Pre-requisite: None

GESB1011 COURTSHIP, MARRIAGE AND FAMILY

This course focuses on issues of love and intimacy, relationship development, sexuality, cohabitation, and marriage. It provides an overview of choices of mates and dating preferences, examines the ways that cultural, social, and personal factors shape these choices, and identify factors that contribute to happy and enduring relationships. Other topics covered in the course include planning for children, family formation, and parenting practices. We will also discuss common challenges facing love and marital relationships, including gender role, power and control, violence and abuse, and work and money.

Pre-requisite: None

GESB1012 CRITICAL PROBLEMS IN CONTEMPORARY SOCIETY

This course describes social problems in contemporary societies especially Macao and China, and identifies how these problems affect and is affected by social forces, institutions, and culture. We will examine a series of long-standing and emergent social problems including gambling, aging, prostitution, substance abuse, violence, crime, inequality, racial and ethnic conflict, sex discrimination, health care, family issues, urban problems, population and food, environmental problems, and terrorism. We will try to identify the causes, distribution, and consequences of these problems. We will learn about theoretical perspectives that provide insights into social problems and empirical research that contributes evidence to the understanding of the problems. We will also assess social policies designed to mitigate the negative consequences of social

problems.

Pre-requisite: None

GESB1013 EVERYDAY STATISTICS

People nowadays are being connected globally in various ways, and statistics plays a role in giving basic international comparison. The first part of this course introduces some basic ideas in social and economic statistics for cross-national comparison. But, statistics is always considered as a hurdle for those not strong in mathematics. The second part introduces statistics which emphasizes intuitive thinking in daily life instead of technical mathematical jargon. This will equip students with minimal statistical literacy to cope with the data saturated society with confidence, and more advanced statistics courses in future studies. Emphasis is on statistical interpretation rather than analysis.

Pre-requisite: None

GESB2000 PERSONAL FINANCE AND WEALTH MANAGEMENT

Financial literacy has become increasingly popular and important around the world. Every university students should know how to manage his or her wealth, pension, and insurance. This course teaches non-finance students the core concept of financial planning, including retirement planning. Popular financial instruments will be introduced from the risk-return perspectives, including mortgage and car loans, bank deposits, stocks, bonds, mutual fund, and insurance products. Quantitative tools such as Microsoft Excel will be used to solve various problems in personal finance.

Pre-requisite: None

GESB2001 FOOD, EATING AND CULTURE

This course examines social theories of food, eating, etiquette and nutrition. It is divided into five broad components. The first examines relationships between scientific and folk concepts of nutrition. The second analyses theories of food preparation and meal structure in various international cultures. The third investigates how food and eating is governed by explicit and implicit rules of etiquette. The fourth part of the course investigates the role of public dining and the media in promoting particular images of food consumption. Finally, there will be a brief examination of the implication of current trends in food consumption for public health.

Pre-requisite: None

GESB2002 BUSINESS, SOCIETY AND ENTREPRENEURSHIP

This course is designed to investigate the broad spectrum of business and society as well as sustainability issues that individuals have to face today and will face in the future. It will also provide students with the broad functions and role of business in society, and knowledge in balancing economic, legal, ethical, and philanthropic responsibilities to the variety of stakeholder groups with which businesses interact with the society. This course will explain the nature of business, its purpose and contribution to society as well as management's role in business and the overlapping influence of business, economy, and society. It involves discussion on these issues and debate that pertain to these relationships.

Within the context of business, the course focuses on entrepreneurial behaviors which include social and business entrepreneurship (i.e. new venture creation and management), creativity, and innovation. Within its relationship to society, it will consider citizenship behaviors through topics as stakeholder management and corporate social responsibility.

Pre-requisite: None

GESB2003 CREATIVITY AND MARKETING

Consumers, retailers and suppliers are demanding more creativity and innovation across every marketing activity, especially in such a highly globalized society with internet and mobile devices everywhere. In this course students will learn and experience how to combine creativity and marketing activities together. This course covers (a) the strategic basis for product development including sources and types of innovation, market entry timing, product market structure and competition, disruptive and entrepreneurial innovation, and the development of new services

and service bundles; (b) latest and creative marketing practices including creative product design, creative promotion method, creative advertising example, creative business model; and (c) the management of the new product development and promotion process including collaboration and networks as well as strategies for launching and marketing new products and services.

Pre-requisite: None

GESB2004 PUBLIC SPEAKING

The course aims to provide students with an introduction to the skills and practices of public speaking: this will be contextualized across the different socio-cultural and work situations in which they are likely to be required to speak, and with regard to the different groups they will have to address. The emphasis will be on four main areas:

1. speaking as a form of communication
2. the techniques of public speaking
3. understanding & addressing different kinds of audiences
4. researching the material to be dealt with in the speech
5. organizing the talk
6. using A/V aids
7. dealing with questions.

Pre-requisite: None

GESB2005 ART AND SOCIETY

This course is to focus on the history of the use and function of art in global perspective. Images, with symbolic meanings and particular style, can be powerful visual language that speaks to the viewers directly. Art has been a meaningful endeavour that deals with basic human concerns from the dawn of civilization to the present day. In this course, art works are discussed in context with human survival, religion, politics, sexuality, technology, culture transmission and globalization. This course examines essential art ideas and makes them concrete using examples from around the world, and relates them to contemporary issues.

Pre-requisite: None

GESB2006 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

GESB2008 PSYCHOLOGY OF SEXUALITY

Sex plays an important role in our lives. In this course we will study human sexuality and attempt to explore the psychology of human sexuality in its evolutionary, physiological, and social context. Based on the evolutionary perspective, various aspects of adaptive human sexual behaviours and mechanisms evolved to facilitate reproductive success. Some example of topics include: the evolutionary origins of gender differences and similarities, and sexual reproduction; historical and contemporary views on the psychology of sex in different cultures; diversity of human

sexuality; how psychologists conduct sex research, issue of pornography, nature of physical and psychological attractiveness, and more.

Pre-requisite: None