



澳門大學

UNIVERSIDADE DE MACAU

UNIVERSITY OF MACAU

## **Detailed Arrangement for the Information Technology Course**

*(Applicable from Academic Year 2018/2019 onwards)*

### **CISC1000 – Information Technology Fundamentals and Practices (3 credits)**

The Information Technology (IT) course is an online course and it is designed to provide the fundamentals and practices for an effective use of IT in our daily lives. It consists of 3 modules with details as follows:

#### **Module I**

- **Introduction to Information Technology** – The basic parts of information system: people, software, hardware, data and communication.
- **The Internet, The Web, and Electronic Commerce** – The Internet, the World Wide Web, and Electronic commerce and their use.
- **Privacy, Security and Ethics** – Privacy, security and ethical issues.
- **Information Technology and You** – The impact of the changes in IT (i.e., connectivity, mobility and evolution).

#### **Module II**

- **Application Software for Computers and Mobile Devices** – Basic applications software (i.e., MS Word, MS Excel, MS PowerPoint).

#### **Module III**

- **Operating Systems and Software** – System software (i.e., operating systems, utility programs and device drivers) and application software.
- **Fundamentals of Hardware** – Main components of a computer: system unit, input and output devices and storage.
- **Networking and Communications** – Connectivity, mobility and wireless networking and communication systems.

Students can enjoy the convenience of studying the IT course online, anytime and anywhere within the semester period. After a student completes the online materials, he/she can register for an online test. The online tests will be held on the campus regularly every month and the test schedule will be announced before the class commencement.

#### **Notes:**

1. **Students cannot test out of the IT course. They are required to take the IT course and complete the test online within the semester.**
2. **If a student successfully passes the online test, he/she will get a pass grade. Otherwise, he/she will be required to retake the test within the semester or retake the course in the following semester(s).**