



COURSE LEARNING OUTCOMES (CLOs)

Faculty	GFP	
Program	Computing	
Notional hours of learning (direct contact time + other independent activities/study time)	10 hours per week	
1. General Course Information		
1.1. Course Title: Computing Fundamentals		
1.2. Course Code: IC3M2		
1.3. Course Level: GFP		
1.4. Course Credit Units: NA		
1.5. Course Learning Outcomes mapping with Program Learning Outcomes		
Course Learning Outcomes	Program Learning Outcomes	
Upon completion of the course, students are expected to be able to:	4	6
A. Knowledge and Understanding		
1. Compare the different types of computers and their purposes.	√	
2. Describe the functions of different hardware components such as CPU, storage systems, RAM, ROM etc. and common input and output devices and describe how they work in sequence to process information and illustrate the terms Hertz and byte.	√	
3. Identify and explain the different types of software: operating systems, application software and programming software and explain the terms shareware, freeware, end-user license agreement and the concept of software copyright and show how to install and uninstall software.	√	
4. Identify the basic knowledge of computer ergonomics (seating, lighting, positioning, ventilation etc.)	√	
5. Identify the Omani data protection legislation and explore how to protect users from threats.	√	
B. Cognitive/Intellectual Skills		
6. Explore network fundamentals, types and the benefits and risks and evaluate the effect of IT on our lives and on society generally and explain how to get protected from network issues, viruses, and hackers etc.	√	
7. Describe the requirements of a computer suitable for purchasing for student usage.	√	
C. Practical Skills		
8. Use Windows operating system to manage files and folders easily and illustrate the hierarchical structure of drives, files and folders and identify the meaning of file extension.	√	
9. Use web browsers to browse information over the internet and deal with their tools and options and show how electronic mail works including the	√	√

components of electronic mail message, electronic mail address, and electronic mail options.		
10. Employ the basics of computer maintenance skills such as formatting of removable media, backup data, using good passwords, and logging on and off a computer.	√	√