Unit of Study: ICT5150 Information Systems

Overview

This unit provides students with a broad foundation of the interaction of people and Information Technology (IT). Students will consider the benefits, as well as the inherent risks, associated with the pervasive use of IT through understanding the components and design of typical modern enterprise systems. Students will be introduced to the typical lifecycle of information systems, as well as IT governance and management frameworks. Students' proficiency in research will be enhanced through developing skills to effectively analyse and critique information together with their skills in academic writing.

Course	Master of Information Technology
Credit Points	8 credit points
Duration	12 weeks (10 teaching weeks; 1 revision week; 1 final assessment week)
Level	Postgraduate Foundational
Student Workload	Students should expect to spend approximately 13 hours per week over 12 weeks (totalling approximately 156 hours) on learning activities for this unit.
Mode(s) of Delivery	On campus, Blended
Pre-Requisites	None
Unit Coordinator	Dr Bahareh Berenjforoush
Contact Information	✉: bahareh.berenjforoush@apicollege.edu.au Consultation: 1 hour scheduled session

Unit Learning Outcomes

On successful completion of this unit, students will be able to:

ULO1 Critically analyse information systems benefits, issues and impacts.

ULO2 Evaluate different types of enterprise information systems in terms of their components, architecture, application, benefits, and limitations.

ULO3 Discuss the typical lifecycle of an information system.

ULO4 Compare and contrast the role of IT service management frameworks and policies.

ULO5 Critically evaluate ethical and social issues of contemporary ICT.

Weekly Schedule

Detailed information for each week's activities can be found on Unit's Weekly Modules in Canvas.

Week	Topic
Week 1	IT Past, Present & Future: The information revolution
Week 2	Hardware and software components of typical modern information systems (operations systems and application software) part 1
Week 3	Hardware and software components of typical modern information systems (operations systems and application software) part 2
Week 4	Enterprise systems and supporting IT architectures
Week 5	Overview of data acquisition, storage, manipulation and conversion to information including decision support and business intelligence and analytics systems.
Week 6	Management of information system and services: COBIT and the ITIL set of practices
Week 7	Working in teams and effective communication
Week 8	Social and legal issues in ICT: overview of security and privacy, malware, cybercrime, social engineering attacks, and the dark web
Week 9	IT Ethics and Professional expectations
Week 10	Preparing for a career in IT – Planning ahead and industry needs. Professional bodies and networks
Week 11	Revision
Week 12	Final Assessments

Assessments

APIC awards common result grades, set out in the Award of Grade Policy.

Detailed information for each assessment can be found on the Unit's Home Page in the Assessment Brief

Assessment Task	Type	Weighting	Due	Length	ULOs
Assessment 1: Weekly Workshop Activity Students will complete in class workshop assessments including on-line quizzes, situation analyses and practical application of skills.	Individual	30%	Weekly except weeks 1, 11, 12	20 minutes each (equiv. 3000 words)	ULO1 ULO2 ULO3 ULO4 ULO5
Assessment 2: Case Study Students will create a report that evaluates the components, architecture, application, benefits, and potential limitations of systems that are provided within a set of different typical different enterprise information systems.	Group	20%	Week 6	1500 words	ULO1 ULO2
Assessment 3: Report Students will critique IT service management frameworks and policies. Different frameworks should be compared highlighting their attributes, applicability and limitations.	Individual	25%	Week 10	1500 words	ULO1 ULO4
Assessment 4: Final Exam	Individual	25%	Week 12	2 hours (equiv. 2000 Words)	ULO1 ULO2 ULO3 ULO4 ULO5

equiv. – equivalent word count based on the Assessment Load Equivalence Guide.

Course Reserve

Course Reserve includes all required resources and reading material for the unit of study. You can access Course Reserve via APIC Library or via the Course Reserve link on the unit's homepage.

Prescribed text(s):

Stair, RM & Reynolds, GW 2017, Fundamentals of information systems, 9th edn, Cengage Learning, Boston, Massachusetts.

Academic integrity

Ethical conduct and academic integrity and honesty are fundamental to the mission of APIC and academic misconduct will not be tolerated by the College. It is the responsibility of every student to make sure that they understand what constitutes academic misconduct and to refrain from engaging in it. Please refer to APIC's Academic Integrity Policy for further details.

Other Important Information and Links

Special consideration If your academic work is impacted by significant documented illness, hardship, or other adverse circumstances beyond your control, you may make an application for Special Consideration. Please refer to the Assessment Policy for further details.	**Late submission** Penalties apply when work is submitted after the due date without approval. Please refer to the Assessment Policy for information about late submission.
Assessment appeals If you are concerned about a mark you have received for an assessment or final grade, you may apply to formally appeal the grade. Please see the Assessment Policy for further details.	**Award of grades** APIC awards common result grades, set out in the Award of Grade Policy.
Expectations of student conduct Students are expected to conduct themselves in a manner that is consistent with a safe and respectful study environment. More information can be found in the Student Code of Conduct.	**Study resources** APIC Library and Student Learning Support resources and services can be accessed via the Student Lounge or your Dashboard on the OLS (Canvas).
Student Services The Student Services team provides administrative support for students and handles enquiries about enrolment, timetables, important dates and submitting forms. More information can be found on the Student Services page on the OLS (Canvas).	**Key dates** Key dates through the academic year, including teaching periods, census, payment deadlines and exams can be found on the Academic Calendar section of the APIC website.

Changes and Updates to the Unit of Study Guide

This Unit of Study Guide may be updated and amended from time to time. Students will be notified of any changes to the unit via the Online Learning System (Canvas) space for the unit.

This Unit of study Guide was last modified on 27th April 2022.