Unit of Study: BIS1001 Foundations of Information Systems

Trimester 3, 2022

Overview:

This unit deals with the inter-relationships of technology and people via a business information system. It highlights the key role that an information system and its constituent components have in building strategic advantage for a business. It also highlights the risks associated that the human technology interface brings in attaining organisational efficiency. Topics covered include hardware and software required to solve the needs of the organisation; database and bigdata as tools in supporting decision making; the integration of computer networking and telecommunication that enable people to meet personal and organisational objectives; electronic commerce; decision support using business intelligence and analytics; the management of information technology outsourcing; and legal, ethical and security issues in information systems.

Course(s)	Bachelor of Business Information Systems Bachelor of Information Technology
Credit Points	6 credit points
Duration	12 weeks (10 teaching weeks; 1 revision week; 1 final assessment week)
Level	Undergraduate Introductory
Student Workload	Students should expect to spend approximately 10 hours per week over 12 weeks (totalling approximately 120 hours) on learning activities for this unit.
Mode(s) of Delivery	On campus, Blended
Pre-Requisites	N/A
Unit Coordinator	As per current timetable
Contact Information	Consultation: 1 hour scheduled session

Unit Learning Outcomes

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

[ULO1]   Demonstrate an understanding of the essential components of information systems.

[ULO2]   Describe how application software and data bases support personal, workgroup, and enterprise business objectives.

[ULO3]   Demonstrate the fundamental components of key enterprise systems used in business.

[ULO4]   Describe and identify the tools and techniques used in knowledge management systems, including artificial intelligence.

[ULO5]   Discuss the ethical concerns associated with the use of contemporary information systems in business and describe the role of information security systems for protecting business information.

Weekly Schedule

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

Week	Topic
Week 1	An Introduction to Information Systems in Organisations
Week 2	Components of an IS - Hardware and Software
Week 3	Database Systems and Big Data
Week 4	Components of an IS- Telecommunications and Networks
Week 5	Electronic Commerce and Enterprise System
Week 6	Types of IS – Decision Support- Business Intelligence and Analytics
Week 7	Types of IS – Knowledge Management & Specialised Information Systems
Week 8	Systems Development- System Acquisition & Development
Week 9	Information Systems in Business- Cybercrime and Information System Security
Week 10	Ethical, Legal, and Social Issues of Information Systems
Week 11	REVISION
Week 12	FINAL ASSESSMENT

Assessments

1. All assessments are compulsory.

2. To pass the unit students must:
    - achieve a total of 50% or more of marks offered; and
    - pass all individual invigilated assessments; and
    - have attempted all assessments.

    Where one or more of these requirements are not met, the Board of Examiners will consider a student's overall progress towards meeting the unit learning outcomes and any special circumstances before reaching a decision.

3. The Board of Examiners may grant a supplementary assessment where a student:
    - achieves a total of 45% or more; and
    - has passed all individual invigilated assessments in the unit; and
    - has attempted all assessments; and
    - has a recommendation for supplementary assessment by the Unit Coordinator and the Head of Discipline.

    Where one or more of these requirements are not met, the Board of Examiners will consider a student's overall progress towards meeting the unit learning outcomes and any special circumstances before reaching a decision. Attendance and engagement in class will be considered.

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

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

Assessment Task	Type	Weighting	Due	Length	ULO
Assessment 1: Report Write a report to discuss the application software, payment methods and other information systems components required for a specific business that provides online services.	Individual	30%	Week 5	1750 words	ULO-1 ULO-2 ULO-3
Assessment 2: Reflective Journal Three weeks activities and exercises assess students' ability to understand theoretical materials. The student, has to submit the reflection journal at the end of the workshop session.	Individual Invigilated	15%	Week 4, 6, 9	900 words	ULO-1 ULO-2 ULO-3 ULO-4 ULO-5
Assessment 3: Quiz Online quiz to identify key content areas to identify further support needs	Individual Invigilated	25%	Week 3, 7, 10	30 mins (Equiv. 1500 words)	ULO-1 ULO-2 ULO-3 ULO-4 ULO-5
Assessment 4: Case Study Assessment of accumulated understanding of Information Systems their context and their composition	Group	30%	Week 12	3000 words	ULO-3 ULO-4 ULO-5

equiv. – equivalent word count based on the Assessment Load Equivalence Guide. It means this assessment is equivalent to the normally expected time requirement for a written submission containing the specified number of words.

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 2018, *Fundamentals of information systems*, 9th edn, Cengage Learning, Massachusetts.

Recommended Readings:

Gray, H, Issa, T, Pye, G, Troshani, I, Rainer, RK, Prince, B & Watson, HJ 2015, *Management Information Systems*, 1st Australian edn, John Wiley & Sons, Australia.

Laudon, KC & Laudon, JP 2019, *Management Information Systems: Managing the Digital Firm*, 16th Edition, Pearson Education Limited, Australia.

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 31st August 2022.