Unit of Study: BUS5003 Information Systems and Data Analysis
Trimester 3-2023

Overview

BUS5003 Information Systems and Data Analysis takes a "real world" approach to investigating, understanding, and using business data and business information systems. The unit is designed to give students insight into business data to enable objective, evidence-based decision making. On completion of this unit, students will be able to evaluate business information systems, understand the importance of cyber security and interrogate enterprise data.

Course(s)	Graduate Certificate in Business Management Graduate Diploma of Business Management Master of Business Administration
Credit Points	8 credit points
Duration	12 weeks
Level	Postgraduate Foundational
Student Workload	Students should expect to spend approximately 13 hours per week over 12 weeks (totalling approximate 150 hours) on learning activities for this unit.
Mode(s) of Delivery	On-campus / Online
Pre-Requisites	Co-Requisite BUS5001 Ethical, Legal and Industrial Frameworks
Unit Coordinator	Dr. Jenny Katis
Contact Information	✉: jenny.katis@apicollege.edu.au Consultation: Friday 12:00pm to 1:00 pm by appointment.

Unit Learning Outcomes (ULOs)

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

ULO1   Evaluate the core elements of contemporary Management Information Systems (MIS) which support enterprise strategy and process.

ULO2   Evaluate how different MIS can be used to support enterprise decision making to sustain competitive advantage.

ULO3   Synthesize the value and relationship between enterprise data, data management and market intelligence.

ULO4   Evaluate current and future MIS trends, challenges and opportunities.

Weekly Schedule

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

Week	Topic
Week 1	Introduction to Information Systems and Data Analysis
Week 2	Data Resources
Week 3	Organisational Value of Improved Decision Making
Week 4	Networks and Telecommunications
Week 5	Information Security Management. Ethical and Societal Challenges of information systems and IT
Week 6	Information Systems Planning and Development
Week 7	Information-Based Processes for Enterprise Leadership and Improvement
Week 8	Enterprise Information Systems
Week 9	MIS for Electronic Business
Week 10	Knowledge Management and Intelligent Systems and Bringing It All Together
Week 11	Study Week
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: Client Brief (Experiential) A business sponsor enterprise will introduce its organisation to the students. Following discussions, students will individually prepare a project brief to be presented to the client	Individual	30%	4	1000 words	ULO 1
Assessment 2A: Systems map and report Part A Students work together in groups of 3-4 students to analyse a case and present an analysis of the MIS situation and suggestions to improve the stated problem.	Group	30%	10	2500 words eq	ULO 1 ULO 2 ULO 4
Assessment 2B: Presentation Students will present in groups and defend their improved solution from their report	Group	20%	11	500 words eq	ULO 1 ULO 2 ULO 4
Assessment 3: Reflection Students submit a reflective piece focusing on issues and processes they encounter throughout the course.	Individual	20%	12	1500 words	ULO 3 ULO 4

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):

- Bocij, P., Greasley, A. & Hickie, S., 2019, *Business information systems*, 6th Edn, Pearson (Intl)

Recommended Readings:

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

- Laudon, K. and Laudon, J., 2019, *Management Information Systems: Managing the Digital Firm*, 16th Edn, Pearson Education

- Stair, R. Reynolds, G. & Chesney, T., 2021, *Principles of Business Information Systems*, 4th Edition, Cengage Learning, 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	**Late submission**
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.	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	**Award of grades**
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.	APIC awards common result grades, set out in the Award of Grade Policy.
Expectations of student conduct	**Study resources**
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.	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	**Key dates**
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 through the academic year, including teaching periods, census, payment deadlines and exams can be found on the Academic Calendar section of the APIC website.

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 the Study Guide was last modified on 19th January 2023.