

Course Outline

Title: BUSINESS INFORMATION SYSTEMS

Code: ITECH1005

Formerly: CP571

Faculty / Portfolio: Faculty of Science

Program Level:

	AQF Level of Program					
	5	6	7	8	9	10
Level						
Introductory			✓			
Intermediate						
Advanced						

Pre-requisites: Nil

Co-requisites: Nil

Exclusions: (CP571 and CP857 and ITECH5005)

Progress Units: 15

ASCED Code: 020399

Learning Outcomes:

Knowledge:

- K1.** describe different types of software to support business information management;
- K2.** discuss the relationship between data quality, and information quality and knowledge quality;
- K3.** review privacy and data protection legislation;
- K4.** define e-business and e-commerce;
- K5.** explain the relationship between software, hardware and communications components of information systems;
- K6.** review information management and information system strategy;

Skills:

- S1.** illustrate the relationship between data, information and knowledge;
- S2.** interpret models of response to change associated with information management initiatives, the typical stages in an information systems project, and the risks associated with typical phases of a project;
- S3.** identify and explain the factors and approaches contributing to an effective information architecture for managing information quality;
- S4.** indicate organizational change associated with the introduction of new information management approaches;
- S5.** identify information management applications, which support information flows within

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and between organizations;

- S6. identify different technology components for information management;
- S7. outline key management issues of knowledge management, different types of information service delivery and the parts of an information architecture strategy;

Application of knowledge and skills:

- A1. design and implement a solution to a particular information systems problem;
- A2. apply key management issues of information and knowledge management; define the risks of unauthorized data access and solutions to counter them, approaches for managing end-user computing and outsourcing and the purpose and process of an information audit;

Values and Graduate Attributes:

Values:

- V1. appreciate the social and ethical considerations of information systems within organizations;
- V2. value approaches by which information systems can support and impact business strategy;
- V3. recognise the value of information systems to knowledge management.
- V4. value organizational knowledge;

Graduate Attributes:

Attribute	Brief Description	Focus
Continuous Learning	In a blended learning approach facilitated by the use of contemporary industry based case studies requiring planning, development and application business processes students will continue to develop their knowledge and skills.	Medium
Self Reliance	Students will participate in a self-directed and collaborative learning environment to develop their theoretical and technical expertise in a range of business information system contexts.	Medium
Engaged Citizenship	Students will engage with the business information systems community to develop an understanding of contemporary challenges in organisations.	Medium
Social Responsibility	Students will apply ethical practices to make decisions and produce quality outcomes in a range of technology development scenarios.	Medium

Content:

Topics may include:

- Software for information management.
- Technology for information management.
- Information management strategy.
- Knowledge management strategy.
- Information systems strategy.
- Managing systems development.
- Managing change.
- Building an information architecture.

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- Managing information quality.
- Managing information services quality.
- Managing ethical and legal issues.

Assessment:

Students need to become familiar with analyzing Business Information system problems. The tutorials allow students to prepare and discuss learning materials to contribute towards a deeper understanding.

Skills in understanding data, Information, and knowledge management will be addressed in the computer laboratories. Students should prepare for these as the hands-on applications will attract marks and lay the groundwork for the major assignment.

Comprehending all aspects of the design of Information Systems should be assisted by taking detailed notes of lectures and progressively summarizing these in preparation for the semester examination.

Learning Outcomes Assessed	Assessment Task	Assessment Type	Weighting
K1, K4, K6, S4, S5, S6, S7, A1, and A2.	Class activities, lectures, self-directed or group exploration	Exercises/Assignments	40 - 60%
K2, K3, K5, S1, S2, and S3	Review and practice of skills and knowledge	Tests/Examination(s)	40 - 60%

Adopted Reference Style:

APA

Presentation of Academic Work:

<https://federation.edu.au/students/assistance-support-and-services/academic-support/general-guide-for-the-presentation-of-academic-work>