
Prescription: 655 Information Systems Management

Elective prescription

Level	6
Credit	20
Version	2
Aim	Students will demonstrate understanding of information systems and their effective management to enhance business processes and contribute to achievement of organisational goals.
Prerequisites	550 <i>Business Computing</i> or equivalent knowledge and skills.

Assessment weightings

Learning outcomes	Assessment weighting %
1. Students will explain the nature of information systems and analyse their role in supporting business operations and performance.	30
2. Students will describe, and evaluate the effectiveness of, strategies relating to managing information systems in an organisation.	30
3. Students will investigate an information management issue and recommend a workable systems solution consistent with organisational goals and available resources.	40
Total	100

All learning outcomes must be evidenced; a 10% aggregate variance is allowed.

Assessment notes

1. Assessment materials should reflect relevant and current legislation, standards, regulations and acknowledged good industry/business practices.
2. For learning outcome 3, students must to produce a business case (including aspects of learning outcomes 1 and 2) and present their findings.

Learning outcome one

Students will explain the nature of information systems and analyse their role in supporting business operations and performance.

Key elements:

- a) The role of organisational structures in communications, information flow and enablement of business objectives.
- b) Interrelationships between information systems in an organisation:
 - types of information systems
 - methods of integration
 - the organisational business plan.
- c) Information systems and/or information technologies role in supporting the business.
- d) The information systems and/or information technologies strategic plan, its role and content and its linkage to the organisational business plan.
- e) The role of emerging technologies in supporting business operations and performance:
 - catalyst and facilitator for change
 - competitive advantage.

Learning outcome two

Students will describe, and evaluate the effectiveness of, strategies relating to managing information systems in an organisation.

Key elements:

- a) Organisational structural options for the delivery of information technology.
- b) Information technology governance fundamentals (using suitable corporate information technology governance standards).
- c) Change management strategies.
- d) People management strategies.
- e) Risk management strategies:
 - disaster recovery (including its role and relationship to Business Continuity Planning)
 - maintaining data integrity
 - meeting legislative and other conformance requirements (for example privacy, retention of organisational knowledge, disposal of assets)
 - security issues
 - options for managing the delivery of a project.
- f) Managing information technology performance including service management.
- g) IT portfolio management.
- h) Prioritisation.
- i) Options for delivering information technology within an organisation, options may include:
 - In-house or out-sourced:
 - hosting
 - Infrastructure as a Service (IaaS)
 - Software as a Service (SaaS), cloud (local and international)
 - combinations of above.
 - In-house or out-sourced:
 - desktop and application support
 - service management
 - server management
 - combinations of above.

Learning outcome three

Students will investigate an information management issue and recommend a workable systems solution consistent with organisational goals and available resources.

Key elements:

- a) Issue analysis.
- b) Evaluation of options.
- c) Financial measures.
- d) Risk assessment.
- e) Justification including recommendation.
- f) Identification of measures of success (benefit realisation plan).

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Introduced	1	2006	31 December 2014
Review	2	December 2012	31 December 2020