

Module Code	Pre-requisite Module codes	Co-Requisite Modules code(s)	ISCED Code	Subject Code	ECTS Credits	NFQ Level (CPD)#
CMPU 3023					10	7
Module Title	IT Management					

IT Management

School Responsible:	School of Computing
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Module Overview:

This module covers the range of IT systems and IT management systems that are used within organisations. It introduces the students to basic strategic formulation and implementation and how to evaluate an enterprise system's ability to formulate and implement different strategic objectives.

The aim of this module is to provide students with knowledge of the purpose design of IT systems and how to align the two IT systems to organisational strategies.

Learning Outcomes (LO):

On Completion of this module, the learner will be able to

1	Explain the concepts of enterprise wide IT systems and enterprise system architecture concepts.
2	Describe the various processes within the organisation supported by information systems
3	To formulate and implement IT strategies for an organisation.
4	Appraise how to manage the IT system to produce information required to support organisational strategy.
5	Evaluate the major considerations of an organisations IT infrastructure.
6	Analyse and evaluate how to manage an organisation I.T so that it can be aligned with organisational strategic formulation and implementation.
7	The ethical issues associated with mobile applications and the importance of team work in the management of information systems.

Indicative Syllabus:

- IT systems in the Organisation: Describe common types and application areas: e.g. database systems, ERP systems, decision support systems, Internet/intranet/extranet systems and client server systems.

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- Strategic Management: A description of how organisations formulate, implement strategies.
- Strategic Information systems: Evaluate how data warehousing, data mining and OLAP are used to derive information critical to strategic formulation.
- Enterprise System architecture requirements: a description of the major critical factors used to evaluate different IT system architectures.
- Discussion on the four major types of IT system platforms: T.P.S., M.I.S. D.S.S. and E.S.S.
- Organisational enterprise system processes, including supply chain related processes, customer relationship management; finance and human resources and IT infrastructure.
- Discussion on the importance of team work in IT management.
- Discussion on the ethical issues on the management and utilisation of emerging IT systems including smart objects and the internet of things.

Learning and Teaching Methods:

The course delivery involves a combination of lectures and labs which may incorporate the use of blended learning techniques as appropriate throughout the delivery.

Total Teaching Contact Hours	39
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Total Self-Directed Learning Hours	148
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Module Delivery Duration:

This module is delivered over one semester

Assessment

Assessment Type	Weighting (%)	LO Assessment (No.)
Final Exam	80	1 to 7
In Class Assessment	20	2, 3, 4 and 6

Module Specific Assessment Arrangements (if applicable)

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(a) Derogations from General Assessment Regulations	
(b) Module Assessment Thresholds	
(c) Special Repeat Assessment Arrangements	

Essential Reading: (author, date, title, publisher)

David F.R. 2007 Strategic Management: concept and cases 15 edition, Pearson

Laudon, J. and Laudon, K...2013 Essentials of management information systems 10ed global ed..Pearsons

On-line material to be given during the running of the module

Supplemental Reading: (author, date, title, publisher)

Relevant supplemental references will be indicated during the teaching of the module.

Version No:		Amended By	
Commencement Date		Associated Programme Codes	

Modules that are to be offered as Stand-Alone CPD Programmes must have an NFQ level assigned

*Details of the assessment schedule should be contained in the student handbook for the programme stage.

Date of Academic Council approval

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