

Module Code	Pre-requisite Module codes	Co-Requisite Modules code(s)	ISCED Code	Subject Code	ECTS Credits	NFQ Level (CPD)#
CMPU1011					10	6
Module Title	Information Systems in Organisations					

Information Systems in Organisations

School Responsible:	School of Computing
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Module Overview:

Modern business organisations use information systems to secure competitive advantage. This module explores modelling techniques, design issues, hardware, software applications, how systems development and systems security are relevant to organisations, and how information systems support the organisation.

Learning Outcomes (LO):

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

1	Use conceptual modelling techniques to clarify the position of Information Systems in the overall structure and sub divisions of modern organisations.
2	Understand the value of the process of information system analysis.
3	Explain and discuss modern applications of information systems.
4	Explain how applications of modern information systems are specified, selected, acquired built and evaluated.
5	Discuss the issues involved and legal responsibilities of managing the secure use of information systems.
6	Clarify the stages in a project and its position in the systems development life cycle, and explain project planning and estimating techniques.
7	Demonstrate a practical knowledge of project control, progress monitoring, and reporting.

Indicative Syllabus:

Taking a technical perspective of:

- Modern organisations and their structure (organisational departments and individual roles)
- Models of information systems,
- Business and information systems strategic alignment
- Modelling information systems concepts
- Modern information systems applications

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- Selection and acquisition of information systems
- Building information systems
- Managing information systems operation
- Introduction to information systems security
- Information technology regulation and compliance (IT law relevant to organisations)
- Interacting with computers (Human Computer Interface issues)

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
Total Self-Directed Learning Hours	148

Module Delivery Duration:
This module is delivered over one semester

Assessment		
Assessment Type	Weighting (%)	LO Assessment (No.)
Final Exam	70%	1 – 8
In-class examination	30%	1 - 8
Module Specific Assessment Arrangements (if applicable)		
(a) Derogations from General Assessment Regulations		
(b) Module Assessment Thresholds		
(c) Special Repeat Assessment Arrangements		

Essential Reading: (author, date, title, publisher)
Wallace, P. (2012), Information Systems in Organizations (Always Learning), Pearson

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Supplemental Reading

Boddy D., Boonstra, A. and Kennedy, G. (2009) Managing Information Systems: Strategy and Organisation, 3rd Edition, Financial Times Management

Laudon, K. and Laudon, J. (Latest Edition) Management Information Systems, Pearson Higher Education, New Jersey, USA

ISO/IEC 2382-20:1990 Information technology – Vocabulary. Systems Development

ISO/IEC 2382-1:1993 Information technology Vocabulary. Fundamental terms

Web references, journals and other

Relevant web references and journals 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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