

Module Code	Pre-requisite Module codes	Co-Requisite Modules code(s)	ISCED Code	Subject Code	ECTS Credits	NFQ Level (CPD)#
TBD					5	8
Module Title	Information Systems Project Management					

Information Systems Project Management

School Responsible:	School of Computing
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Module Overview:

Project Management is fundamental to the information systems life cycle supply process. This module provides candidates with a full understanding of the issues, methods and techniques of IS Project Management. This module introduces candidates to the domain of the project manager and the responsibilities and skills associated with that role. Moreover, the module aims to develop a professional understanding of the functions, scope and interdisciplinary nature of IS project management.

Learning Outcomes (LO): (to be numbered)

For a 5ECTS module a range of 4-10 LOs is recommended

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

1	Demonstrate an understanding of project planning and estimating techniques.
2	Discuss the human resources issues appropriate to team building and management; and professional conduct.
3	Demonstrate a practical knowledge of project control, progress monitoring, and reporting.
4	Explain interdisciplinary issues that impact the project manager's domain.
5	Use project planning tools to estimate and track projects

Indicative Syllabus:

Indicative syllabus covered in the module and / or in its discrete elements

IS Projects and their stages

- Contractual arrangement, characteristic of projects. Project stages and life cycle processes (requirements elicitation, gathering, analysis, design of software, hardware and networks, build and/or OTS purchase, configuration and integration with current systems, installation issues, methods of going live). The use of post-implementation evaluation. Causes of project failure and areas of risk in each project stage. International standards.

Project Planning and Estimating

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· Work breakdown structure WBS, Gantt Charts, PERT and CPM, resource loading, resource levelling and scheduling, Estimating techniques: CoCoMo2, Function Point Analysis, Delphi and Expert technique.

· CASE tools. Financial planning and budget spend techniques. Causes of project failure in planning and estimating.

Human Resources.

· Team building theory and practice, structures and responsibilities. Skill sets; recruiting, motivating, managing and retaining IS teams. Project management, interpersonal and transferable skills. IS employee Contracts of employment.

Confidentiality clauses. Health and Safety issues. Human causes of project failure. IS project risk.

Project Management and Control.

· Progress monitoring (technical, cost, schedule). Project control through monitoring. Use of plans in project control. Reasons for reports: who to report to and how - exception, progress and management reporting. Managing project finances. Quality Assurance management. Configuration management. Project and IS risk management.

Methodology

· PRINCE, Enterprise Project Management, Project Management Body of Knowledge (PMBOK), Information Technology Infrastructure Library (ITIL), Agile, Iterative.

Learning and Teaching Methods:

This module can be delivered either through standard delivery or blended delivery.

In standard delivery this module is delivered through a series of lectures with associated practical assignments.

In blended delivery this module is delivered through a series of live and recorded lectures with associated laboratory work and practical assignments.

Both blended and standard delivery have the same overall number of teaching and self-directed learning hours.

Total Teaching Contact Hours

39

Total Self-Directed Learning Hours

61

Module Delivery Duration:

This module is delivered over 1 semester

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Assessment		
Assessment Type	Weighting (%)	LO Assessment (No.)
Examination	50%	1-5
Continuous Assessment	50%	1-5
Module Specific Assessment Arrangements (if applicable)		
(a) Derogations from General Assessment Regulations		
(b) Module Assessment Thresholds		
(c) Special Repeat Assessment Arrangements		

<p>Essential Reading: (author, date, title, publisher)</p> <p>A Guide to the Project Management Body of Knowledge (Pmbok Guide) - 5th Edition 2013 Project Management Institute</p> <p>Quality Software Project Management (Software Quality Institute Series) 2002 Robert T. Futrell and Donald F. Shafer</p> <p>Supplemental Reading: (author, date, title, publisher)</p> <p>Project Management for IT-related Projects Paperback – 14 Sep 2012 by Bob Hughes (Author, Editor), Roger Ireland (Author), Brian West (Author), Norman Smith (Author), David I. Shepherd (Author)</p> <p>Brilliant Agile Project Management: A Practical Guide to Using Agile, Scrum and Kanban 2015 By Rob Cole (Author), Edward Scotcher (Author)</p> <p>Prince 2 Made Simple 2015 Ian Lawton</p>

Version No:	1	Amended By	
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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