

2024 / 25

School of Science and Computing

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**SE
TU**

Ollscoil
Teicneolaíochta
an Oirdheiscirt

South East
Technological
University

Module Descriptor

Information Systems Project Manage- ment (Computing and Mathematics)

Information Systems Project Management (A14505)

Short Title: IS Project Management
Department: Computing and Mathematics
Credits: 10
Level: Postgraduate

Description of Module / Aims

This module examines the role and techniques of project management within the context of information systems. The module examines IS project management from a systemic and sociotechnical viewpoint, adopting a process and integrative outlook on project management. The module examines the interrelated elements of project scope, time, cost, and quality management. The module examines the management of human resources and stakeholders within the project and the role of communication. Approaches and techniques for project risk management are also addressed.

Programmes

stage/semester/status		
COMP-0291	MSc in Computer Science (Enterprise Software Systems) (WD_KCESS_R)	1 / 0 / E
COMP-0291	MSc in Computing (Information Systems Processes) (WD_KISYP_R)	1 / 0 / E

Indicative Content

- Project Management and the Information Systems Context
- Project Management Process Approach
- Project Integration Management
- Project Scope Management
- Project Time Management
- Project Cost Management
- Project Quality Management
- Project Human Resource Management
- Project Communication Management
- Project Risk Management
- Project Stakeholder Management

Learning Outcomes

On successful completion of this module, a student will be able to:

1. Critique information systems project management from a process and socio-technical perspective.
2. Select and apply appropriate techniques to plan and control IS projects with regard to scope, time, cost, and quality.
3. Propose an appropriate approach to monitor and manage IS project risks.
4. Select appropriate methods for human resource and communications management.
5. Propose an appropriate approach to manage projects stakeholders.

Learning and Teaching Methods

- This module will be presented by a combination of lectures and computer based practicals.
- The lectures will be used to introduce new topics and their related concepts. Lectures will be supplemented by participative case studies and independent reading on the issues covered in the lecture material.
- The practical element is intended to provide the student with the skills needed to use and understand technologies available to assist in information systems project management.

Learning Modes

Learning Type	F/T Hours	P/T Hours
Lecture	24	24
Practical	24	24
Independent Learning	222	222

Assessment Methods

	Weighting	Outcomes Assessed
Final Written Examination	50%	1,3,4,5
Continuous Assessment Assignment	50%	2,3

Assessment Criteria

<40%: Unable to interpret and describe key concepts of information systems project management.

40%–59%: Be able to describe and discuss key concepts of information systems project management and ability to discover and integrate related knowledge in other knowledge domains.

60%–69%: Be able to solve problems within information systems project management by experimenting with the appropriate skills and tools.

70%–100%: All the above to an excellent level. Be able to analyse and design solutions to a high standard for a range of both complex and unforeseen problems through the use and modification of appropriate skills and tools.

Supplementary Material(s)

- Association for Project Management, A.P.M. *APM Body of Knowledge*. 6th. Buckinghamshire, UK: Association for Project Management , 2013.
- Cole, R. and E. Scotcher. *Brilliant Agile Project Management: A Practical Guide Using, Agile, Scrum, and Kanban*. Harlow, UK: Pearson, 2015.
- Nicholas, J.M. *Project Management for Engineering, Business, and Technology*. Abingdon, UK: Routledge, 2011.
- Project Management Institute , P.M.I. *Software Extension to the Guide to the PMBOK*. 5th ed. Pennsylvania, USA: Project Management Institute, 2012.
- Project Management Institute, P.M.I. *Guide to the Project Management Body of Knowledge*. 5th ed. Pennsylvania, USA: Project management Institute, 2012.
- Schwalbe, K. *Information Technology Project Management*. 8th Ed. Boston, MA, USA: Cengage, 2016.

Requested Resources

- Room Type: Computer Lab