Module Title:	IT Project Management
Module Code:	03I
Level:	5
Credits:	15
Pre-Requisites:	none

Module Description:

The module is designed to develop the students' knowledge and understanding of the principles and application of project management in the IT industry. Students will have the opportunity to apply this knowledge and analyse and evaluate the impact of project management on improving the management of resources and performance. Students will work in teams on a small, live project and will be assessed on their teamworking skills as well as their application of project management concepts and skills. They will also gain an understanding of the professional context in which a project manager works in the IT industry.

Indicative Content:

- Setting up a project environment
- Establishing the project objectives
- Estimating, developing a plan
- Analysing and controlling risk
- Monitoring and controlling a project
- Communicating effectively with stakeholders and team members
- Change control
- Acceptance and handover
- Project management tools eg Gantt charts, work breakdown structure, PERT charts, critical path analysis
- Why projects fail
- Managing and motivating project staff
- Roles and responsibilities
- Building effective client relationships
- Team working
- Systems development models
- Agile techniques
- Professional qualifications in project management

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Learning and Teaching Methods:

The module will be delivered through a combination of lectures and workshops. Students will work in teams to carry out a small project, and part of the class time will be allocated to the teams to work on the projects in order that the tutor can observe and assess the contribution of individuals to the team. The projects used will come from employer links and the content and scope will be agreed with the module leader early in the module.

Specific Learning Resources:

Appropriate project management software, such as Microsoft Project.

Bibliography

<u>Highly Recommended</u>

Cadle, J. and Yeates, D. (2008) *Project Management for Information Systems (5th Ed).* Harlow: Pearson Education Ltd.

<u>Recommended</u>

Burke, R. (2013) *Project Management – Planning and Control Techniques (5th Edition).* Chichester: John Wiley Publishing Ltd.

Hughes, B., Ireland, R., West, B., Smith, N. and Shepherd, D. (2012) *Project Management for IT-related Projects.* (2nd Ed) Swindon: BISL

Lock, D. (2013) *Project Management (10th Edition).* Farnham: Gower.

<u>Background Reading</u>

Thomas, P., Paul, D. and Cadle, J. (2012) *The Human Touch: personal skills for professional success.* London: British Computer Society.

Module Learning Outcomes

Subject Specific Learning Outcomes

On successful completion of this module you will be able to:

LO 1	Understand, apply and evaluate project management principles and processes in relation to IT-related projects
LO 2	Make effective use of computer tools for project management and justify their use
LO 3	Analyse how and to what extent the team leadership and relationships contribute to the success of a project
LO 4	Analyse the role and contribution of the project manager in the IT industry

Assessment Title or element	**Weighting (%)**

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Group project: evidence of carrying out a given IT project as a team, showing application of project management principles and procedures, consisting of: 25% joint mark and 25% individual contribution. Deliverables to include provision of interim presentation (15min per group) [mid semester], followed by project documentation and a presentation (20min per group) [late semester]	50%
Exam: theory and practice of project management (1 hr 30 min) [end semester]	50%

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