

Module Code:	COM644
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Module Title:	IT Project Management
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Level:	6	Credit Value:	20
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Cost Centre(s):	GACP	<u>JACS3</u> code:	G920
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Faculty:	Arts, Science and Technology	Module Leader:	Denise Oram
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Scheduled learning and teaching hours	48 hrs
Guided independent study	152 hrs
Placement	0 hrs
Module duration (total hours)	200 hrs

Programme(s) in which to be offered (not including exit awards)	Core	Option
BSc (Hons) Computer Science	✓	<input type="checkbox"/>
BSc (Hons) Computing	✓	<input type="checkbox"/>
BSc (Hons) Computer Networks and Security	✓	<input type="checkbox"/>
BSc (Hons) Cyber Security	✓	<input type="checkbox"/>
BSc (Hons) Applied Software Engineering	✓	<input type="checkbox"/>
BSc (Hons) Applied Cyber Security	✓	<input type="checkbox"/>

Pre-requisites
None.

Office use only

Initial approval: 30/08/2018

Version no:2

With effect from: 01/09/2018

Date and details of revision: Jan 22: addition of DA programme titles

Version no:

Module Aims

The module aims to encourage a critically and theoretically informed and reflective approach to IT project management and to develop students' understanding of the current issues affecting the management of IT projects. The module will permit students to critically evaluate the basic tools and techniques used in IT project management and increase self-awareness and insight into both professional and ethical issues relevant to the discipline of IT projects.

Intended Learning Outcomes

Key skills for employability

- KS1 Written, oral and media communication skills
- KS2 Leadership, team working and networking skills
- KS3 Opportunity, creativity and problem solving skills
- KS4 Information technology skills and digital literacy
- KS5 Information management skills
- KS6 Research skills
- KS7 Intercultural and sustainability skills
- KS8 Career management skills
- KS9 Learning to learn (managing personal and professional development, self-management)
- KS10 Numeracy

At the end of this module, students will be able to

Key Skills

At the end of this module, students will be able to		Key Skills	
1	Demonstrate and justify a professional approach to IT practice, including adhering to the codes and guidelines of professional bodies within the industry.	KS1	KS5
		KS8	KS9
2	Evaluate the professional, ethical, social and legal implications associated with IT project management.	KS1	KS5
		KS6	KS8
		KS9	
3	Critically evaluate possible solutions to a problem and select the best approach, both technically and commercially, demonstrating a critical understanding of the importance of the decision-making process in IT management.	KS1	KS2
		KS3	KS8
4	Evaluate and apply the essential tools and techniques of IT project management.	KS3	KS4
		KS5	KS10
5	Demonstrate an in depth understanding of the issues involved in planning and controlling an IT project.	KS1	KS2
		KS3	KS6

Transferable skills and other attributes

- Personal motivation, organisation and time management
- Ability to collaborate and plan
- Written and verbal communication skills
- Research and analytical skills

Derogations

None.

Assessment:

Indicative Assessment Tasks:

100% Coursework – The module will be assessed through coursework; a portfolio that includes a series of formative tasks to be completed over the semester and weekly practical assessments, using case studies, presentations, and student-led seminars and discussions.

There is an intermediate group Viva where students will defend and justify their approach to the project. The students will also defend and justify their contribution to the portfolio with a final Viva after submission of the portfolio giving them an individual vocal opportunity to support their work.

Indicative assessment: students are given a case study, this will include role-play whereby the students are allocated a specific professional role and given a problem situation to resolve. They will demonstrate IT project management skills and knowledge by identifying and solving problems as well as defending and justifying any decisions made. Students have the opportunity to relate theory to practice.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration (if exam)	Word count (or equivalent if appropriate)
1	1-5	Coursework	100		4000

Learning and Teaching Strategies:

The module is delivered through a mixture of lectures, lab work, seminars and directed private study.

Students will also disseminate and discuss information through student-led seminars, peer group discussion and formative presentations of their work, both individually and as a member of a team.

Syllabus outline:

Syllabus outline:

- The unique nature of IT project management
- Projects and the reasons why these can fail.
- Software Engineering
- GDPR
- The importance of decision-making
- Quality issues and quality management: ISO9000, and other relevant standards
- Techniques and tools for IT project management

- Responsible IT management
- IT Project Management in Practice
- Current issues in the management of IT projects
- Managing people and resources
- The impact of culture, systems and organisational structure on project management processes
- Professional, ethical, social and legal implications
- Health and Safety and environmental aspects of IT Project Management

Indicative Bibliography:

Essential reading

None

Other indicative reading

Hughes, B. (2012), *Project Management for IT-related Projects*. 2nd ed. Swindon: BCS.

Morgan, J. and Dale, C. (2013), *Managing IT Projects for Business Change*. BCS

Sommerville, I. (2016), *Software Engineering*. 10th ed. Boston: Pearson

Harrin, E. (2013), *Shortcuts to Success: Project Management in the Real World*. 2nd ed. Swindon: BCS.

Lientz, B.P. and Larssen, L. (2006), *Risk Management for IT Projects*. Swindon: BCS.

Electronic Resources :

ACM www.acm.org

BCS Code of Conduct <http://www.bcs.org.uk>

ISO Standards <http://www.iso.org/iso/home/standards.htm>

Journals: (available electronically through the library).

ACM Digital Library

IEEE Xplore