Module Title **MSc Project** **Keywords** Individual project implementation	Reference CMM513 SCQF SCQF Level 11 SCQF Points 45 ECTS Points 22.5 Created October 2005 Approved December 2005 Amended April 2016 Version No. 7

This Version is No Longer Current

The latest version of this module is available here

Prerequisites for Module

Module CMM512: Project investigation or equivalent.

Corequisite Modules

None.

Precluded Modules

None.

Aims of Module

To undertake a substantial research, software engineering or information engineering project, based on the specification developed during the project investigation module, in order to acquire a comprehensive

Reconsidering and if necessary readdressing ethical, social, legal and professional issues.

Indicative Student Workload

Contact Hours	Full Time	Part Time
Lectures	3	3
Supervision meetings	8	8
Directed Study		
Coursework Preparation	100	100
Directed reading	24	24
Private Study		
Private Study	315	315

Mode of Delivery

Lectures provide guidance on the conduct and writing-up of a software engineering project. Individual

understanding of an information systems problem and its domain. To develop a solution from this specification and if appropriate implement and report on the results within a fixed time frame.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

1. Select appropriate methods and tools to expedite the research / development process, ensure the quality of the project, and demonstrate meaningful critical reflection of the process on completion.
2. Prepare a project plan, including use of resources, and conduct regular reviews of the plan.
3. Develop a research strategy / professional solution to an information systems problem, within known constraints. The solution should include either the implementation of a computer-based solution with a significant software development component or a significant

supervision is provided on a regular basis to direct the student as needed and provide feedback on work submitted as the project progresses. The student is able to call on expert guidance throughout the implementation phase of the project life-cycle. Regular online sessions are used to guide ODL students.

Assessment Plan

	Learning Outcomes Assessed
Component 1	1,2,3,4

Component 1 - This coursework consists of: (i) a written report worth 75% of the total assessment for the module. (ii) an oral presentation and demonstration worth 25% of the total assessment for the module.

Indicative Bibliography

1. "BCS Code of Conduct" obtained from http://www.bcs.org/category/6030 [accessed 13/3/2017].
2. HUGHES, B. & IRELAND, R., West, B., SMITH, N. and SHEPERD, D. 2012. Project Management for IT related projects. 2nd ed. BCS.
3. PRESSMAN, R., 2009. Software Engineering: A practitioner's approach.7th ed. McGraw-Hill.
4. CRESWELL, J.W., 2014. Research design: qualitative, quantitative, and mixed methods approaches. Sage.

component of a significant piece of original research.

4. Communicate effectively in a presentation environment, defend the research results / chosen solution, and explain technical details.

Indicative Module Content

An overall development plan and breakdown of activities. An overall and a detailed research strategy / design specification. A test / evaluation specification and schedule. A review document with recommendations for future research / development. A practical demonstration of the operational project and conclusions, including an oral presentation and poster. A final report and CD including all software and documentation.

5. CADLE, J. & YEATES, D. 2007. Project management for information systems. 5th ed. Prentice Hall.