	Reference CM4018
	SCQF Level SCQF 10
Module Title	SCQF Points 30
Honours Individual Project	ECTS Points 15
	Created May 2002
Keywords	Approved April 2005
Reflection, Develop, Industry, Project	Amended November 2012
	Version No. 4

This Version is No Longer Current

The latest version of this module is available <u>here</u>

Prerequisites for Module	Indicative Student Workloa	d
	Contact Hours	Full Time
None, in addition	Contact Hours	30
to course	Lectures	2
progression	Assessment	7
requirements.	Individual Tutorial	25
Corequisite	Directed Study	
Modules	Supervised Research	100
None.	Private Study	
Precluded	Project Work	136
Modules	Mode of Delivery	
None.	An initial lecture session follo	wed by individual
Aims of Module	supervision from project supervisors on a regular basis to direct the student as needed and provide feedback on	
To enable the student to undertake a substantial	work submitted as the project able to call on expert guidance development lifecycle. There presentation of the project, de to practice their presentation s	progresses. The student is e throughout the project will be an interim oral signed to allow the student kills_individual feedback
protessional (or equivalent)	will allow the student to make improvements for the final	

information

technology (IT) or software

oral student edback will allow the student to make improvements for the final presentation. The student will produce a summary poster and a final project report.

Assessment Plan

UI SUILWALC engineering project in order to acquire a comprehensive understanding of the problem and its domain. To enable the student to develop a solution from specification through to implementation 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.Judge where and how to gather the

research information required to identify the problem and express it such that users and client are able to agree.

	Learning Outcomes Assessed
Component 1	1,2,3,4,5

Component 1 - Coursework

Indicative Bibliography

 Dawson, C., (2015) Projects in Computing and Information Systems 3rd edn: A Student's Guide, Person Ed.

Additional Notes

Relevant information for the projects can be found in a number of online resources. These include the following databases: ACM Digital Library http://dl.acm.org Springer Computer Science http://www.springer.com/computer?SGWID=0-146-0-0-0 IEEE Xplore Digital Library http://ieeexplore.ieee.org/Xplore/guesthome.jsp Sciencedirect http://www.sciencedirect.com 2.Conduct legal and ethical review of proposed project, prepare a project plan, including use of resources. and conduct regular reviews of the plan. 3.Select appropriate methods and tools to expedite the development process (including configuration management systems), ensure the quality of the project (including documentation) and demonstrate meaningful reflection after completion. 4.Develop a professional solution to a computing system problem, within known constraints.

5.Communicate and defend the chosen solution and explain technical details.

Indicative Module Content

Selection of an approved industry or university based project. An overall development plan, breakdown of activities and a quality assessment. Review of social, ethical, economic and legal issues. A requirements specification. An overall and a detail design specification. A test specification and schedule. A user manual and installation instructions. A review document with recommendations for future development. Detailed software specification

including method and interface specification. A demonstration of the operational project. Oral presentation of interim and final solutions. A Poster and a Final report including all documentation.