

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

## This Version is No Longer Current

The latest version of this module is available [here](#)

### Prerequisites for Module

None, in addition  
to course  
progression  
requirements.

### Indicative Student Workload

#### *Contact Hours*

Contact Hours

Lectures

Assessment

Individual Tutorial

#### Full Time

30

2

7

25

### Corequisite Modules

#### *Directed Study*

Supervised Research

100

None.

#### *Private Study*

Project Work

136

### Precluded Modules

### Mode of Delivery

None.

### Aims of Module

To enable the  
student to  
undertake a  
substantial  
professional (or  
equivalent)  
information  
technology (IT)  
or software

An initial lecture session followed by individual supervision from project supervisors 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 project development lifecycle. There will be an interim oral presentation of the project, designed to allow the student to practice their presentation skills, individual feedback will allow the student to make improvements for the final presentation. The student will produce a summary poster and a final project report.

of software 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.

### **Assessment Plan**

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

Component 1 - Coursework

### **Indicative Bibliography**

1. 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.