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| Module Title Honours Individual Project | Reference CM4018 SCQF Level SCQF 10 SCQF Points 30 ECTS Points 15 Created May 2002 Approved April 2005 Amended August 2007 Version No. 3 |
| Keywords Reflection, Develop, Industry, Project | |

This Version is No Longer Current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.

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.

Aims of Module

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

Assessment Plan

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

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. 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. 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.