CO3014 Computer Science Semester Project

Credits: *20*   **Convenor:** *Dr. E. Tadjouddine*   **Semester:** *1ˢᵗ or 2ⁿᵈ*

Prerequisites: *Essential: 40 credits of second year Computer Science modules*

Surgeries: *5   hours*   **Independent Study:**   *145   hours*

Assessment: *Written reports: 100%*

Learning Outcomes   Students should be able to:

- establish the nature of the deliverables to be produced by the project;

- plan the timescales involved in developing these;

- identify the design issues involved;

- undertake appropriate specification and design;

- implement an end product;

- test and evaluate the end product;

- demonstrate general problem solving skills;

- write a substantial written report on the project.

Explanation of Prerequisites   The idea of the project is that the student should develop and build on material which has already been learned, so it is important that a reasonable amount of second year study should have been undertaken.

Module Description   The aim of the Mathematics and Computer Science project is for the student to combine skills acquired in the other Mathematics and Computer Science modules in the production of a substantial project. In doing this, the student will assimilate information from a variety of sources and demonstrate the ability to pursue independent study.

It is intended that the project should produce some end product for users other than the author. A collection of course exercises, a literature search or a descriptive evaluation would not be suitable.

Convenor's Notes   The assessment of CO3014 is broken down as follows:

1. 5%: Project plan document.

2. 10%: Oral examination and demonstration of software.

3. 80%: Final project report.

4. 5%: Mark for student effort and participation, based on a weekly diary.