
CO3015 Computer Science Project

Credits: 40 **Convenor:** Dr. E. Tadjouddine **Semester:** 1 + 2

Prerequisites: *Essential: CO2006, CO2015*

Desirable: 40 other credits of Computer Science Modules

Lectures: 5 hours

Surgeries: 10 hours

Laboratories: 2 hours

Independent Study: 283 hours

Assessment: *Coursework: 100%*

Learning Outcomes Students should be able to:

- demonstrate that they can carry out significant background research which underpins project work;
 - work out the nature of the deliverables to be produced;
 - identify the specification and design issues involved;
 - undertake appropriate specification and design work;
 - implement the end (software) product according to their design work;
 - test and evaluate the end product;
 - produce a substantial written dissertation;
 - produce a plan of timescales for project work;
 - prepare and deliver an oral presentation;
 - produce a short interim report on progress made to date and any revisions made to their original plan;
 - demonstrate general problem solving skills;
 - write substantial written reports.
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Explanation of Prerequisites All Computer Science students will have a common core of knowledge on which to build in the third year.

Module Description The purpose of the Computer Science Project is for the student to combine knowledge and skills acquired in level one and two Computer Science modules in the production of a suitable project. Project work consists of independent private study, guided by regular short meetings with a member of staff who will advise the student on how to proceed with the year's work. Students may choose a project title and subject area from a large list of project descriptions, or they may suggest a project of their own for possible approval. The project has a number of goals which the student must achieve, but the key ones are the writing of a dissertation summarising the year's work, and the development of a practical computer system.

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

1. 3%: Plan
2. 5%: Prototype demo
3. 7%: Interview with the second marker

4. 65%: Dissertation, Product and Viva.
5. 15%: Seminar Presentation.
6. 5%: Mark for student effort and participation, based on a weekly diary.