
CO4015 MComp Computer Science Project

Credits: 30 **Convenor:** Dr. E. Tadjouddine **Semester:** 1 + 2

Prerequisites: *Essential: CO2006, CO2015, CO3015 or CO3016 or CO3120*
Desirable: 45 other credits of Computer Science Modules

Lectures: 0 hours

Surgeries: 0 hours

Laboratories: 0 hours

Independent Study: 300 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 of near-research level quality at minimum;
 - produce a plan of timescales for project work;
 - prepare and deliver a lecture style 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, and write substantial written reports.
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Explanation of Prerequisites All Computer Science students will have a common core of advanced knowledge on which to build in the fourth year.

Module Description The purpose of the MComp Computer Science Project is for the student to combine knowledge and skills acquired in level one, two and three 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. 10%: Interim report and Prototype demo.
2. 5%: Interview with the second marker
3. 10%: Viva and demonstration of software.
4. 70%: Software product and Final project report.
5. 5%: Mark for student effort and participation, based on a weekly diary.