

Pre-Requisite Modules code(s)	Co-Requisite Modules code(s)	ECTS Credits	Module Code	Module Title
		10	CMPU3045	Team Project

8.4.1. Team Project

Module author: Ronan Bradley

Module Description:

This module offers the students the opportunity to use the knowledge and skills they have developed over the previous stages in the development of a complex software system. The project is a team project requiring the students to collaborate and organise themselves in a group to achieve the module objectives.

Module aim

This module aims to group students into small teams and familiarise them with a range of skills and knowledge necessary, to take a software application through its life cycle.

Learning Outcomes:

On completion of this module, the student will be able to:

- Demonstrate group interaction
- Demonstrate ability to deliver individual objectives within a team structure
- Demonstrate leadership and team collaboration skills
- Demonstrate an ability to follow development processes from initiation through design, implementation, test and delivery
- Implement a project design in an appropriate format from a requirements specification
- Demonstrate a choice of appropriate technology
- Implement role functionality
- Determine group integration.
- Develop presentation skills

Learning and Teaching Methods:

This module will be taught through a combination of lecture, tutorials and practical lab-based sessions.

The supervised practical sessions will be used to allow lecturers to review and assess the progress of the whole team and the individual team members. It will also be used for team demonstrations and presentations at least twice during the semester.

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Module content:

Students will be presented with a requirements specification, from which they must develop a software system in a group of between three and five students. These groups will be pre-assigned. Topics which will be covered as part of the module include

- Project planning and management (including documentation requirements)
- Test planning and test implementation
- Application of software engineering concepts to team development projects

Module Assessment

The module is assessed entirely by continuous assessment. The continuous assessment mark is determined through a combination of report submissions, submission of the student's project journal, presentations and interviews which take place throughout the semester. These are as follows:

- Group submission of project documentation artefacts (such as design documents, test plan, testing logs and project plans)
- Group presentation and defence of
 - The design (prior to implementation)
 - The final deliverable (including demonstration)
- Individual submission of a project journal
- Individual interview of each student within a group by the lecturer

A student's final mark will be composed of 40% of their group mark and 60% of their individual mark.

Essential Reading:

To be provided at the start of the module

Supplemental Reading:

To be provided at the start of the module

Web references, journals and other:

To be provided at the start of the module

Further Details:

Single Semester Module; 3 contact hour per week, 1 hour tutorial/lecture, 2 hours laboratory based review of progress and discussion with lecturer

Date of Academic Council approval