

## MODULE DESCRIPTOR

<b>MODULE TITLE</b>	Masters Project		
<b>MODULE CODE</b>	CO4804 (L7)	<b>CREDIT VALUE</b>	60 credits / 30 ECTS
<b>SCHOOL</b>	SCHOOL OF SCIENCE		

### MODULE AIMS

- To develop the ability to solve complex problems, using appropriate skills and knowledge acquired elsewhere.
- To develop student's ability to critically reflect on their work and on the work of others.
- To enable students to demonstrate disciplines of time management, project planning and reporting on progress.
- To encourage students to read to discover best practice.
- To develop the ability to apply theory in the real world.
- To foster an attitude of constructive criticism in evaluation.
- To use theory appropriately when communicating about project work

### MODULE CONTENT

Working under supervision

Applying theory to practical problems or a research problem

Demonstrate awareness of appropriate legal, ethical, and professional issues associated with the subject domain.

### INTENDED LEARNING OUTCOMES

On successful completion of this module a student will be able to:

1. Synthesize plans that take account of legal, ethical and professional issues and report on progress.
2. Develop solutions according to a set of requirements.
3. Contextualise the project work aligning it with academic literature or with other solutions.
4. Create a software product, carry out an investigation, or piece of research.
5. Communicate the process and product / findings of the work in an appropriate format.
6. Reflect on the value of the product or the value of the research / findings with reference to other work done in the field.
7. Critically reflect on the process of completing a significant project.

### TEACHING METHODS

Each student will select his/her own topic for the project, within the constraints imposed by their particular Master's programme. Relevant literature and other sources must be used throughout the project, with thorough use of sources relating to the project question.

The MSc Projects Tutor is responsible for the overall co-ordination of projects. Each student is allocated a supervisor, who acts in a consultancy role, providing advice and guidance. A second reader is nominated to attend the poster session and read the final project report.

The project handbook contains a schedule, advice on how to complete tasks, and a specification of what exactly is required for each deliverable.

Students will have the opportunity to work on their thesis projects with an industry partner through a student placement subject to availability of appropriate projects. Each student will select a topic provided by an external organization and approved by the academic supervisor, within the constraints imposed by their particular Master's programme. If required by the project, each student may be

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allocated an advisor from the external organization, who may provide advice and guidance. Students will complete part of their thesis project assessment requirements (e.g. related to the working documents (proposal, contract, project plan and diary) and requirement analysis) through their placement under the supervision of the academic supervisor in collaboration with the advisor from the industry.

#### Distance learning

The MSc Projects Tutor will deliver live online lectures through Adobe Connect to prepare students to undertake the Masters Project. The lecture sessions will be recorded and made available to the students through Blackboard. Students will be guided to ask questions synchronously (during the live lecture) or asynchronously through the blackboard's discussion forum. The tutor will provide appropriate feedback to students. Students will also be provided with relevant further reading, web links and resources for independent study.

Supervision of students will be performed online through email, Skype and/or Adobe Connect. The students will present their work and poster through Adobe Connect.

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### **ASSESSMENT METHODS**

This module is assessed through a proposal (5%), a thesis (95%) and an interview (Pass/Fail).