

### Summary Information

<b>Module Code</b>	7000MSC
<b>Formal Module Title</b>	MSc Project
<b>Owning School</b>	Engineering
<b>Career</b>	Postgraduate Taught
<b>Credits</b>	60
<b>Academic level</b>	FHEQ Level 7
<b>Grading Schema</b>	50

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
Philip Davies	Yes	N/A

#### Module Team Member

Contact Name	Applies to all offerings	Offerings
Hamid Sarwar	Yes	N/A

#### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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### Teaching Responsibility

LJMU Schools involved in Delivery
Engineering

### Learning Methods

Learning Method Type	Hours
Seminar	2

### Module Offering(s)

Offering Code	Location	Start Month	Duration
JAN_NS-CTY	CTY	January (Non-standard start date)	44 Weeks
SEP-CTY	CTY	September	44 Weeks

### Aims and Outcomes

<b>Aims</b>	The main aims of the project module are to demonstrate the student's ability to lead and self manage their own deep/thorough investigation, undertake high quality academic research and demonstrate critical evaluation of their results.
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### Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Undertake a structured research programme into an appropriate engineering field
MLO2	Formulate a research plan and manage the resulting activities
MLO3	Demonstrate the ability to critically analyse and reflect on the work of other practitioners/researchers
MLO4	Demonstrate a deep technical understanding of their project and associated field of engineering
MLO5	Produce and defend an academic thesis that demonstrates the standard of scholarly activity commensurate with a level 7 post-graduate qualification

### Module Content

Outline Syllabus
Projects may involve experiment, analysis, design and/or computation and should allow a student to demonstrate achievement of the module learning outcomes

## Module Overview

This module aims to develop your ability to independently undertake, investigate and critically evaluate high quality academic research. It:

enables you to develop a high level of subject knowledge and associated skills

helps you to demonstrate your ability to drive your own thorough investigation and demonstrate critical skills

## Additional Information

This is a very important module that represents 600 hours of self-driven scholarly activity. When considering a project it would be appropriate to select/choose a project in a subject area strongly associated with the MSc programme and/or one of the taught modules. For most students, this really means using the project as a means to develop a particular subject specialism, one that is aligned with future career objectives. Completion of the project module allows the student to concentrate fully on an area of work and hence develop a high level of subject knowledge and associated skills in that field. Completion of the project requires the production of an academic thesis. The thesis is a level 7 piece of work and as such would be expected to demonstrate a high level of scholarly activity. The choice of subject and formulation of the aims and objectives are mutually agreed between student and supervisor. Industrially based projects are acceptable as long as they offer the appropriate technical level and resources are available so as to ensure completion. Projects undertaken within the University would be judged by the same requirements. The main criteria being that the project and associated thesis must demonstrate the student's ability to drive their own deep/thorough investigation and demonstrate critical evaluation of the results and comparison with other published ideas/results/designs. These requirements have to be evidenced via the presentation of a well-constructed, well-presented and well-defended academic thesis and good performance in an associated oral examination. The best projects are often associated with supervisors that are undertaking scholarly activity/research or associated with some experimental work being undertaken by industrial collaborators.

## Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Report	Project plan	20	0	MLO3, MLO2
Dissertation	Thesis	60	0	MLO3, MLO4, MLO1, MLO5
Presentation	Presentation	20	0	MLO3, MLO2, MLO1, MLO5