

Liverpool John Moores University

Title: MSc. PROJECT
Status: Definitive but changes made
Code: **7043ENG** (105342)
Version Start Date: 01-08-2016

Owning School/Faculty: Electronics and Electrical Engineering
Teaching School/Faculty: Electronics and Electrical Engineering

Team	Leader
Karl Jones	Y

Academic Level: FHEQ7
Credit Value: 60
Total Delivered Hours: 10
Total Learning Hours: 600
Private Study: 590

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Tutorial	10

Grading Basis: 50 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Proposal		5	
Report	Log book		10	
Dissertation	report		65	
Presentation	presentati		20	

Aims

To provide the student with the means of conducting a research orientated, or substantial engineering development, project. The student thus has the opportunity to make a major contribution in a chosen subject area through a supervised programme of individual study. The purpose of the project is for students to demonstrate their "engineering" abilities in understanding a problem, proposing a solution, and hence designing, implementing and testing a system. The created

systems are not confined to hardware solutions.

Learning Outcomes

After completing the module the student should be able to:

- 1 review and criticise current relevant engineering literature
- 2 plan and execute effectively a carefully designed programme of work
- 3 interpret correctly relevant experimental data and verify its validity if appropriate
- 4 design effective solutions to a given engineering problem
- 5 choose and/or develop the most appropriate mathematical or theoretical model to support solutions
- 6 communicate effectively the results of their research by written and oral means

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Project Proposal	1	2			
Log book	2	3	4	5	
Project dissertation	1	3	4	5	6
Oral presentation/examination	3	5			

Outline Syllabus

The appropriate engineering subject area will be selected and a practical individual programme of studies pursued in that area.

A range of projects will be offered from industrial and/or University sources and the student will select the most appropriate to their requirements.

Learning Activities

Students will undertake an individual project in a subject related to their programme title. A Supervisor will guide each student through the project. A MSc Project Guide is provided.

Notes

This level 7 module forms the focal point of the student's programme of studies. This major project allows the student to develop expertise in their chosen area in preparation for an industrial, commercial or research orientated career.

Students are required to submit two hard bound copies of their dissertation as well as a copy on CD (for use with TurnItIn). Failure to provide a CD version will mean that the dissertation will not be marked.

During the Oral/Examination/Bench-top assessment students will be given the opportunity to demonstrate knowledge and understanding of their chosen project.

Progression onto the MSc Project is controlled by the following rules:

- All taught modules passed – progression allowed
- Only 1 module not passed (excluding Professional Practice) – progression allowed
- Two or modules not passed – progression withheld
- Professional Practice not passed – progression withheld