

Liverpool John Moores University

Title: ENGINEERING PROJECT (V.3)
Status: Definitive
Code: **6046ENG** (105813)
Version Start Date: 01-08-2016

Owning School/Faculty: Maritime and Mechanical Engineering
Teaching School/Faculty: Maritime and Mechanical Engineering

| Team | Leader |
|--------------------|--------|
| Christian Matthews | Y |

Academic Level: FHEQ6
Credit Value: 36
Total Delivered Hours: 16
Total Learning Hours: 360
Private Study: 344

Delivery Options

Course typically offered: Standard Year Long

| Component | Contact Hours |
|-----------|---------------|
| Seminar | 4 |
| Tutorial | 12 |

Grading Basis: 40 %

Assessment Details

| Category | Short Description | Description | Weighting (%) | Exam Duration |
|----------|-------------------|------------------------------|---------------|---------------|
| Essay | AS1 | Project proposal and logbook | 10 | |
| Essay | AS2 | Interim report | 10 | |
| Essay | AS3 | Final project report | 60 | |
| Essay | AS4 | Poster presentation | 5 | |
| Essay | AS5 | Oral presentation | 15 | |

Aims

The project aims to provide a directed but independent learning activity on a relevant area of engineering or technology. It aims to promote invention and creativity, and is also intended to develop the intellectual and practical skills required to undertake a project from specification to a successful conclusion.

Learning Outcomes

After completing the module the student should be able to:

- 1 Conceptualize and plan a supervised but self generated project;
- 2 Carry out a self-managed programme of work according to good project management practice;
- 3 Analyse the established body of knowledge relevant to the project;
- 4 Present technical information clearly in oral and written form;
- 5 Critically evaluate all aspects of a project and formulate justified conclusions.

Learning Outcomes of Assessments

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

| | | | | | |
|----|---|---|---|---|---|
| CW | 1 | 2 | 4 | | |
| CW | 1 | 2 | 3 | 4 | 5 |
| CW | 1 | 2 | 3 | 4 | 5 |
| CW | 1 | 2 | 3 | 4 | 5 |
| CW | 1 | 2 | 3 | 4 | 5 |

Outline Syllabus

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

Learning Activities

Students will carry out an individual, supervised project.

Notes

The project provides the opportunity to conduct a major supervised learning activity on a relevant engineering or technical topic. The project requires the student to demonstrate good project management, critical evaluation and presentational skills.