

Liverpool John Moores University

Title: GROUP PROJECT
Status: Definitive
Code: **5085ENG** (116985)
Version Start Date: 01-08-2016

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

Team	Leader
Rebecca Bartlett	Y
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Academic Level: FHEQ5 **Credit Value:** 10 **Total Delivered Hours:** 60
Total Learning Hours: 100 **Private Study:** 40

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	20
Practical	40

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Rpt		25	
Technology	Tech		25	
Technology	Tech		40	
Presentation	Pres		10	

Aims

To develop the students ability to work in a team through the open ended nature of design.

To develop a focus on a physical deliverable which integrates learning from levels four and five, and applies a real world example for basing enterprise.

Learning Outcomes

After completing the module the student should be able to:

- 1 Develop a new product proposal and project management plan
- 2 Identify and apply appropriate and relevant engineering knowledge to create a proof of concept.
- 3 Achieve a reliable and robust design
- 4 Communicate technical information using written, oral and visual techniques

Learning Outcomes of Assessments

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

Report	1
Technical task	2
Technical task	3
Presentation	4

Outline Syllabus

Reverse Engineering
New product innovation techniques.
Patent searching
Conceptual design
Value Engineering

Learning Activities

Seminars and practical laboratory based work.

Notes

To develop the students ability to work in a team through the open ended nature of design.

This module is conducted within the two dedicated design weeks of the school. It acts as the focal point to the level 5 'Enterprise' module providing the product around which the group work evolves.