

## Liverpool John Moores University

Title: Design Project III  
Status: Definitive  
Code: **6003PDE** (120091)  
Version Start Date: 01-08-2018

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

Team	Leader
Jamie Finlay	Y
Adam Papworth	

**Academic Level:** FHEQ6      **Credit Value:** 30      **Total Delivered Hours:** 72  
**Total Learning Hours:** 300      **Private Study:** 228

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	24
Practical	24
Tutorial	24

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Rpt	Research report	30	
Portfolio	Port	Design presentation portfolio	50	
Presentation	Pres	Viva Voca	20	

### Aims

*Provide an opportunity to complete a substantial piece of design work in a supervised environment that is particular interest to the student. Students will be expected to demonstrate the application of knowledge and skill gained throughout the duration of their programme.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate the ability conceive, plan and undertake a supervised, but self-generated design project.
- 2 Research and evaluate an established body of knowledge relevant to the project.
- 3 Follow a recognised design process from a design brief/specification and develop a design solution from a range of ideas.
- 4 Follow a recognised design process from a design brief/specification and develop a design solution from a range of ideas.
- 5 Present their design to an audience and answer questions about their work.

## Learning Outcomes of Assessments

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

Research report	1	2
Design presentation portfolio	4	
Viva Voce	3	5

## Outline Syllabus

### *Module introduction*

*Module guide; aims; learning outcomes; assessment and marking schemes. Outline syllabus; module timetable and student feedback.*

### *Design Project:*

*Projects may involve a broad range of different design related activities but in all cases should be structured to allow a student to demonstrate achievement of the module learning outcomes. In the first instance it is the student's responsibility to demonstrate that they have achieved all of the learning outcomes, but guidance will be given by their supervisor.*

### *Learning Activities*

*This module is primarily an opportunity for students to undertake a significant piece of self-directed design work prior to graduation. It is however a supervised project and so the self-directed element of the module will be supported by frequent tutorial sessions with an officially appointed supervisor. In order to support all students a series of seminars will be run throughout the academic year.*

## Learning Activities

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## **Notes**

Students will be required to display their work in an official location as defined by the programme team and in a format according to the module documentation provided. All students will be required to attend an official oral examination (viva) in the same location at a pre-arranged time and date. At the time of the oral examination, students will be required to confirm to the examination panel that the work which has been submitted, and which is on display, is entirely their own except for where acknowledgements or citations have been provided. Attendance of the oral examination is compulsory and is a pre-requisite for passing the module.