

## Liverpool John Moores University

Title: ENGINEERING PRACTICALS  
Status: Definitive  
Code: **3005ENG** (105560)  
Version Start Date: 01-08-2016

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

Team	Leader
Martin Jones	Y

**Academic Level:** FHEQ3      **Credit Value:** 24      **Total Delivered Hours:** 32  
**Total Learning Hours:** 240      **Private Study:** 208

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Practical	32

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Logbook completion and laboratory reports	90	
Report	AS2	Field trip reports	10	

### Aims

*To develop the basic practical skills required for a degree in engineering or technology, and to demonstrate the practical application of theory introduced in ENRFN0085, ENRFN0088 and ENRFN0089 through practical experiments and industrial visits.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Work safely in a laboratory
- 2 Use basic laboratory equipment
- 3 Carry out simple laboratory experiments following instructions
- 4 Record practical results accurately
- 5 Discuss and draw conclusions from observations
- 6 Write a report on a practical experiment or an industrial visit

### **Learning Outcomes of Assessments**

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

Logbook completion and laborat	1	2	3	4	5	6
Field trip reports	5	6				

### **Outline Syllabus**

*A series of experiments set out in a logbook to introduce: safe working practices in the laboratory; basic electrical and mechanical laboratory equipment; taking practical results; analysing results; producing a laboratory report.*

### **Learning Activities**

Practical experiments and field trips

### **Notes**

This module aims to develop the basic practical skills required for a degree in engineering or technology, and to demonstrate the practical application of theory through practical experiments and industrial visits.