

Liverpool John Moores University

Title: ENGINEERING PRACTICALS
Status: Definitive
Code: **3005ENGPT** (119540)
Version Start Date: 01-08-2016

Owning School/Faculty: General Engineering Research Institute
Teaching School/Faculty: General Engineering Research Institute

Team	Leader
Andre Batako	Y

Academic Level: FHEQ3 **Credit Value:** 24 **Total Delivered Hours:** 56
Total Learning Hours: 240 **Private Study:** 184

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	2
Practical	54

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	Logbook completion	40	
Report	AS2	Laboratory reports	60	

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 Introduction to Engineering Theory, Mechanical Systems, and Electrical Systems, through practical experiments.

Learning Outcomes

After completing the module the student should be able to:

- 1 Work safely in a laboratory using basic laboratory equipment
- 2 Carry out simple laboratory experiments following instructions and record practical results accurately discussing and drawing conclusions from observations
- 3 Write a report on a practical experiment

Learning Outcomes of Assessments

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

Logbook completion	1	2
Laboratory reports	3	

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 using excel graphs.

Learning Activities

Practical experiments and Lectures

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.