

Liverpool John Moores University

Title: KEY SKILLS
Status: Definitive
Code: **4034TECH** (105413)
Version Start Date: 01-08-2016

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

Team	Leader
Ronan McMahon	Y

Academic Level: FHEQ4 **Credit Value:** 24 **Total Delivered Hours:** 90
Total Learning Hours: 240 **Private Study:** 150

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	24
Practical	54
Tutorial	12

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Portfolio of programme specific exercises	25	
Essay	AS2	Portfolio of CAT visit and key skills exercises	25	
Essay	AS3	Portfolio of laboratory investigations	25	
Essay	AS4	Assessed circuit building exercises	25	

Aims

The aims of this module is to introduce students to communication and experimental

skills which will support the remainder of their studies

Learning Outcomes

After completing the module the student should be able to:

- 1 Communicate effectively using a variety of media
- 2 Confidently apply experimental methods and data analysis techniques
- 3 Safely use a range of electrical equipment

Learning Outcomes of Assessments

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

CW	1	
CW	1	2
CW	2	3
CW	2	3

Outline Syllabus

Key skills - effective studying, information sources, written and oral communication.

Experimental methods - measurement techniques, data collection, data analysis, data presentation, report writing.

Circuit building - Health and safety, use of breadboard, use of solder, various power supplies, wiring.

CAT centre visit.

Programme Specific Skills

Learning Activities

Lectures, tutorial and practical sessions together with an external overnight trip.

Notes

The module provides a vehicle by which students can acquire essential skills in engineering. It also will provide the opportunity for effective personal tutoring.