

Liverpool John Moores University

Title: Key Skills and Quantitative Methods
Status: Definitive
Code: **4054ENG** (118244)
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:** 20 **Total Delivered Hours:** 54
Total Learning Hours: 200 **Private Study:** 146

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	36
Tutorial	18

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Test	Test		25	
Report	Rpt		40	
Test	Test		25	
Self Awareness Statement	Reflection		10	

Aims

To bring the students to a level of mathematical ability likely to be encountered in business situations and also approach with confidence mathematical concepts encountered on BSc programmes.

To familiarise students with using the appropriate spreadsheet and manual methods

*of solution for numerate and statistical problems.
To familiarize students with good report writing practice and business correspondence.*

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate an understanding of and use of simple mathematical concepts
- 2 Manipulate and solve expressions
- 3 Manipulate and present statistical information
- 4 Demonstrate competence in report writing
- 5 Identify and reflect upon the following aspects of personal development: strengths and weaknesses, motivations and values, ability to work with others.

Learning Outcomes of Assessments

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

Test	1	
Report	3	4
Test	2	
Bronze Statement & Reflection	5	

Outline Syllabus

*Business correspondence
Reports and Harvard Referencing
Numbers, fractions, percentages, powers, ratios
Algebraic notation and solution of equations.
Elementary coordinate geometry
Trigonometry
Statistics and data presentation*

Learning Activities

Lectures and tutorials

Notes

This module aims to give students the knowledge and skills in basic mathematics to support progress in business and technical modules on the programme.