Liverpool John Moores University

Title:	NUMERATE SKILLS
Status:	Definitive
Code:	**4006MAR** (105961)
Version Start Date:	01-08-2016
Owning School/Faculty:	Maritime and Mechanical Engineering
Teaching School/Faculty:	Maritime and Mechanical Engineering

Team	Leader
John Skiffington	Y

Academic Level:	FHEQ4	**Credit Value:**	12	**Total Delivered Hours:**	38
Total Learning Hours:	120	**Private Study:**	82		

Delivery Options
Course typically offered: Semester 1

Component	Contact Hours
Lecture	18
Tutorial	18

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Assignment	25	
Essay	AS2	Assignment	25	
Exam	AS3	Examination	50	2

Aims

1. 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 FD/DipHE and BSc programmes.
2. To familiarise students with using the appropriate spreadsheet and manual methods of solution for numerate and statistical problems.

Learning Outcomes

After completing the module the student should be able to:

1	Demonstrate an understanding of and use PC computer networks
2	Manipulate and solve algebraic expressions including financial formula
3	Manipulate and present statistical information

Learning Outcomes of Assessments

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

CW	2	3	
CW	1	3	
EXAM	1	2	3

Outline Syllabus

Algebraic notation and solution of linear equations.
Ratios, simple and compound interest
Measures of central tendency and spread
Simple distributions of data (normal, Poisson, negative exponential)
Trends including moving average and linear regression
Correlation
Confidence intervals

Learning Activities

Lectures and tutorials

Notes

This module aims to give students the knowledge and skills to use numerate concepts both manually and on a networked PC. The type of problems represent a range of business and scientific purposes in industry and for use in other modules in their programme.