Liverpool John Moores University

Title:	Maths for Business
Status:	Definitive
Code:	**3510IFYAP** (119743)
Version Start Date:	01-08-2017

Owning School/Faculty: Academic Portfolio
Teaching School/Faculty: Academic Portfolio

Team	Leader
Yvonne Parry	Y

Academic Level:	FHEQ3	**Credit Value:**	24	**Total Delivered Hours:**	122.5
Total Learning Hours:	240	**Private Study:**	117.5		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	60
Seminar	30
Tutorial	10
Workshop	20

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Collect data and present results in the form of a report - 750 words	30	
Exam	AS2	Exam	30	1
Exam	AS3	Exam	40	1.5

Aims

To provide a basic knowledge of mathematics for progression to a degree programme in business related subjects.

To acquire an understanding of the fundamental concepts of business maths using a selection of real-world applications.

To establish a firm foundation in mathematical applications for finance and accountancy .

Learning Outcomes

After completing the module the student should be able to:

1	Interpret, in mathematical terms, verbal graphical and tabular information.
2	Manipulate mathematical expressions.
3	Apply mathematical methods and techniques to the world of business.
4	Maintain financial records.
5	Demonstrate an understanding of accounting systems.
6	Prepare periodic financial statements of sole traders and limited companies.

Learning Outcomes of Assessments

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

Report	1		
Exam 1	2	3	
Exam 2	4	5	6

Outline Syllabus

Maths basics – fractions, powers and logs
Percentages, ratios and proportions
Financial mathematics
Algebra and simultaneous equations
Data handling
Statistics including normal distributions
Business arithmetic including compound interest, salary, VAT , tax and rates calculations and currency exchanges.
Double-entry book-keeping
Preparation of trial balance
Preparation of trading profit and loss statements
Depreciation
Manufacturing accounts
Interpretation of accounts using ratio analysis

Learning Activities

Lectures accompanied by workshops to practise mathematical applications to business situations. A selection of in-class formative tests will enable students to

identify areas for development and prepare them for summative exams. Tutorials will enable the tutor to focus on areas of difficulty with the class. Homework will support these activities, and should guide the student towards the development of self-study.

Notes

None