

Module Information

2022.01, Approved

Summary Information

Module Code	4601AFYPC
Formal Module Title	Business Mathematics & Statistics
Owning School	Business and Management
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
YPC International College (Kolej Antarabangsa YPC)

Learning Methods

Learning Method Type	Hours
Workshop	44

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-MTP	MTP	September	12 Weeks

Aims and Outcomes

Aims	This module will enable students to appreciate the role of statistical and mathematical methods in a business environment. It will also introduce students to different data types and approaches required for analysis.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Calculate a range of basic financial measures.
MLO2	2	Identify different data types, manipulate data and carry out statistical and financial analysis, including interpretation of hypotheses using suitable significance tests.
MLO3	3	Calculate and use various location and dispersion measures, and explore data to enable decision making for example use of linear programming to optimise use of resources.
MLO4	4	Undertake analysis of data including simple forecast of financial data and evaluation of investment and saving options.

Module Content

Outline Syllabus	Calculate a range of basic financial measures. Introduction to data types, primary and secondary data sources. Measures of location and dispersion and their uses. Probability. Financial mathematics, compounding, discounting and investment appraisal. Confidence intervals and hypothesis tests. Linear programming. Index numbers.
Module Overview	
Additional Information	This module introduces basic mathematical and statistical concepts and techniques. These concepts and techniques are related to business and accounting situations. The modules provides a foundation for further studies across the programme. The test is a diagnostic assessment; whilst the examination is the terminal summative assessment.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Test	AS1	20	0	MLO1
Exam	AS2	80	2	MLO1, MLO2, MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
James Fraser	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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