Module Proforma

Approved, 2022.03

Summary Information

Module Code	4101LBSAF
Formal Module Title	Business Mathematics & Statistics
Owning School	Business and Management
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Catherine Fairhurst	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings

Partner Module Team

Contact Name	Applies to all offerings	Offerings

Teaching Responsibility

LJMU Schools involved in Delivery
Business and Management

Learning Methods

Learning Method Type	Hours

Workshop	44

Module Offering(s)

Offering Code	Location	Start Month	Duration
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.

Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Calculate a range of basic financial measures.
MLO2	Identify different data types, manipulate data and carry out statistical and financial analysis, including interpretation of hypotheses using suitable significance tests.
MLO3	Calculate and use various location and dispersion measures, and explore data to enable decision making.
MLO4	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)	Learning Outcome Mapping
Test	Diagnostic Test	20	0	MLO1
Centralised Exam	Closed Book Examination	80	2	MLO1, MLO2, MLO3, MLO4