Module Proforma

Approved, 2022.02

Summary Information

Module Code	3704ORYXHR
Formal Module Title	Foundation Mathematics for Business
Owning School	Business and Management
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 3
Grading Schema	40

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Oliver Kayas	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

Partner Teaching Institution

Institution Name
Oryx Universal College WLL

Learning Methods

Learning Method Type	Hours
Lecture	22
Workshop	22

Module Offering(s)

Offering Code	Location	Start Month	Duration
APR-PAR	PAR	April	12 Weeks
JAN-PAR	PAR	January	12 Weeks
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	This module aims to provide students with the mathematical knowledge, understanding and skills which are required to use mathematics as an analytical tool in business subjects.

Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Apply arithmetic operations to manipulate numbers and calculate values.
MLO2	Manipulate and solve a range of equations algebraically and numerically.
MLO3	Represent functions in a graphical form.
MLO4	Apply statistical principles to business applications.

Module Content

Outline Syllabus

The list below provides an indicative list of topics which may be covered in this module:

Arithmetic:
• Factors, multiples. Concepts of highest common factor and lowest common multiple.
• Fractions, addition, multiplication, division, simplification.
• Decimal fractions, decimal places, significant figures, scientific notation, rounding off.
• Error, percentage, modulus, sigma notation.

Algebra:
• Fractions; addition, multiplications, division, simplification.
• Algebraic formulae, equations, transposition, simplification, factorization.
• Powers, product, quotient, power of a power, roots, negative indices.
• Proportionality, direct proportionality, inverse proportionality.
• Linear equations, solution, graphs.

Statistics:
• Averages (mean, mode median)
• Interpretation of statistics * presentation of statistics
Notes should read: This module covers the fundamental mathematical skills needed for further study in business subjects, and will include extensive practice problem solving, assessed regularly to support a structured approach to learning.

Module Overview

This module covers the fundamental mathematical skills needed for further study in engineering and technology subjects, and will include extensive practice problem solving, assessed regularly to support a structured approach to learning.

Additional Information

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Test	AS1 - Test	30	0	MLO1, MLO2, MLO3, MLO4
Exam	AS2 - Exam	70	2	MLO1, MLO2, MLO3, MLO4