

Summary Information

Module Code	3522IFESG
Formal Module Title	Mathematics for Science
Owning School	Engineering
Career	Undergraduate
Credits	10
Academic level	FHEQ Level 3
Grading Schema	40

Module Contacts**Module Leader**

Contact Name	Applies to all offerings	Offerings
Jack Mullett	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings
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Partner Module Team

Contact Name	Applies to all offerings	Offerings
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Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Study Group

Learning Methods

Learning Method Type	Hours
Lecture	13
Seminar	26

Module Offering(s)

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

Aims and Outcomes

Aims	To provide a basic knowledge of mathematics for ongoing progression to a degree programme in science. To develop skill in mathematical application, method and technique.
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Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Demonstrate an understanding of mathematical notation, terminology, conventions and units as applied to science.
MLO2	Interpret in mathematical terms verbal, graphical and tabular information.
MLO3	Apply mathematical methods and techniques to scientific concepts.

Module Content

Outline Syllabus
Basic numeracy – factors, brackets, prime numbers, square numbers/roots, cube numbers/roots, SI units, decimal places, significant figures. Fractions and reciprocals – multiplying, dividing, adding, subtracting. Percentages. Powers. Approximation and errors – accuracy and precision. Introduction to graphs – using and recognising graphs, gradient of a graph. Simultaneous equations.

Module Overview

Additional Information

This module aims to build confidence in mathematical skills necessary to study science, particularly chemistry.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Exam	Examination	100	1.5	MLO1, MLO3, MLO2