

Fundamental Science Skills

Module Information

2022.01, Approved

Summary Information

Module Code	3417FNDSCI
Formal Module Title	Fundamental Science Skills
Owning School	Pharmacy & Biomolecular Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 3
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

Learning Methods

Learning Method Type	Hours
Lecture	32
Online	15
Tutorial	6
Workshop	6

Module Offering(s)

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

Aims and Outcomes

Aims	To enable students to develop a range of underpinning skills to aid further study in their chosen academic programme. To develop numerical and statistical data analysis skills. To provide a structured tutorial component that contains academic material, personal development planning and employability material. To introduce students to topics of interest within their programme of study.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Demonstrate understanding of a selected topic relevant to the chosen degree programme by giving an oral presentation to the tutorial group.
MLO2	2	Demonstrate written communication skills by producing an essay on a given topic.
MLO3	3	Demonstrate numerical and statistical ability
MLO4	4	Demonstrate the ability to work in a group by producing a poster

Module Content

Outline Syllabus	A series of lectures in molecular bioscience, forensic science, biotechnology, pharmaceutical science and pharmacy topics. The range of subjects covered will be varied to reflect the interests of different programme groups. English Skills: Importance of good English use, reading skills, note taking in lectures. Written scientific reports and essays Communication skills: oral communication skills and poster presentation skills. Mathematical skills: basic numeracy (logs, mathematical functions, equations) Statistical analysis: data handling, graphs, descriptive statistics, normal distribution, students t-test, chi-squared IT skills: Word, PowerPoint and Excel. Personal planning and organisation, time management, skills development, target setting and action planning, using feedback, employability.
Module Overview	
Additional Information	This module aims to provide and develop the basic skills required to successfully study a programme in the molecular bioscience areas. Students will be encouraged to take charge of their learning via structured tutorials that should develop their independent academic skills. Numeracy, data analysis and good communication skills will be highlighted. To give students an understanding of the different programme areas a range of lectures on a selection of topics will be given.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	MCQ Exam	30	1	MLO3
Portfolio	Portfolio	70	0	MLO1, MLO2, MLO4

Module Contacts