

Module Information

2022.01, Approved

Summary Information

Module Code	5110BCBMOL
Formal Module Title	Research Methods in Biotechnology
Owning School	Pharmacy & Biomolecular Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

Learning Methods

Learning Method Type	Hours
Lecture	21
Tutorial	12
Workshop	22

Module Offering(s)

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

Aims and Outcomes

Aims	The aim of this module is to equip biotechnology students with essential skills to effectively design, plan and report biotechnology research.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Develop and demonstrate skills in planning research with relevant biotechnology methodology.
MLO2	2	Identify and evaluate appropriate scientific literature.
MLO3	3	Develop and apply scientific writing skills.
MLO4	4	Demonstrate engagement with interpretation and analysis of scientific results/data including the use of appropriate statistical analysis.

Module Content

Outline Syllabus	Overview of research methods in biotechnology Literature searching and referencing Biotechnology project design and planning Research data analysis Research data reporting Publishing research findings Opportunity to complete the next stage of LJMU's employability programme.
Module Overview	This module equips you with essential research skills, knowledge of methods and techniques that are routinely applied in biotechnology research. Through a range of teaching and learning activities this module will provide you with opportunities to learn, develop and demonstrate a range of key biotechnology research skills and knowledge.
Additional Information	Through a range of teaching and learning activities this module will provide opportunities for the students to learn, develop and demonstrate a range of key biotechnology research skills and knowledge.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Data analysis	40	0	MLO2, MLO4
Artefacts	Research proposal	60	0	MLO1, MLO2, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Baoxiu Qi	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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