

Summary Information

Module Code	7101PHASCI
Formal Module Title	Research Methods
Owning School	Pharmacy & Biomolecular Sciences
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Module Contacts
Module Leader

Contact Name	Applies to all offerings	Offerings
Abdullah Isreb	Yes	N/A

Module Team Member

Contact Name	Applies to all offerings	Offerings
Jose Prieto Garcia	Yes	N/A
Judith Madden	Yes	N/A
Femi Olorunniji	Yes	N/A
Darren Sexton	Yes	N/A
Mark Wainwright	Yes	N/A
Steven Enoch	Yes	N/A
Imran Saleem	Yes	N/A
Francesca Giuntini	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
--------------	--------------------------	-----------

Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

Learning Methods

Learning Method Type	Hours
Lecture	10
Workshop	21

Module Offering(s)

Offering Code	Location	Start Month	Duration
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To equip students with the necessary core skills to effectively design, plan, perform and report scientific research.
-------------	---

Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Demonstrate skills in planning research with relevant experimental methodology
MLO2	Locate, critically evaluate and reference appropriate scientific literature
MLO3	Safely generate, accurately store and appraise the quality of experimental data
MLO4	Communicate scientific information in a contextual manner

Module Content

Outline Syllabus
Overview of the scientific method Designing a research project Literature searching and referencing Literature reviewing Project planning and methodology design Good laboratory practice Data analysis, data appraisal and results presentation Reporting scientific funding Publishing Research and Protecting Intellectual Property

Module Overview

Gain the necessary core skills to effectively design, plan, perform and report scientific research.

Additional Information

Assessment1. Students will be allocated a specific topic to write a research proposal, which will assess ability to locate, critically review and reference literature sources as well as their scientific writing skills (LO1, LO2, LO4). This will need to be allocated at the start of the module and will therefore be different to the research project allocation. In parallel, students will produce a 3-minute podcast pitch of their research proposal, which will assess their ability to efficiently convey scientific information.2. Students will be requested to critically appraise a set of data relevant to their scientific field and report on that in a 2-pages essay.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Report	Research Proposal and pitch	60	0	MLO1, MLO4, MLO2
Portfolio	Data appraisal portfolio	40	0	MLO3