

## Liverpool John Moores University

Title: RESEARCH METHODS AND PROJECT  
Status: Definitive  
Code: **6000PHASCI** (122605)  
Version Start Date: 01-08-2019

Owning School/Faculty: Pharmacy & Biomolecular Sciences  
Teaching School/Faculty: Pharmacy & Biomolecular Sciences

Team	Leader
Judith Madden	Y

**Academic Level:** FHEQ6  
**Credit Value:** 40  
**Total Delivered Hours:** 143  
**Total Learning Hours:** 400  
**Private Study:** 257

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	9
Practical	112
Seminar	4
Tutorial	10
Workshop	8

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	RPT	Report	65	
Portfolio	PORT	Portfolio	35	

### Aims

*The aim of the module is to enable students to plan, execute and report results of a research project in the area of pharmaceutical sciences, using a range of appropriate resources and methodology.*

## Learning Outcomes

After completing the module the student should be able to:

- 1 Locate and critically evaluate relevant scientific literature
- 2 Design a research project using knowledge of the most recent ideas and methods in the relevant field.
- 3 Conduct a research project in the area of pharmaceutical science, using appropriate methodology and appreciation of relevant safety issues.
- 4 Evaluate and coherently present results of a research project, both orally and in writing.

## Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Project Report	1	4	3
Portfolio	1	2	

## Outline Syllabus

*Philosophy of science*

*Health and safety in the laboratory*

*Ethics in scientific research*

*Literature searching, evaluation and referencing*

*Designing a research project using current knowledge of the area*

*Conducting research work safely and efficiently*

*Maintaining records in scientific research*

*Oral communication of scientific results*

*Presenting and publishing results*

*How to write a high quality scientific report*

## Learning Activities

Students will undertake a series of lectures, workshops and tutorials to help prepare for and execute their final year projects. The majority of time for this module will be devoted to the practical work undertaken for the final year research project. Students will present their research in a final seminar session.

## Notes

The course will introduce students to research methods which will enable them to plan, execute and report on their final year project, which forms a key component of this module.