

Liverpool John Moores University

Title: PROJECT AND RESEARCH METHODS
Status: Definitive
Code: **6005CHACAP** (113195)
Version Start Date: 01-08-2019

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

Team	Leader
Raymond Fox	Y
Gillian Hutcheon	
Philip Denton	

Academic Level: FHEQ6 **Credit Value:** 36 **Total Delivered Hours:** 145
Total Learning Hours: 360 **Private Study:** 215

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	23
Online	1
Practical	105
Seminar	4
Tutorial	5
Workshop	7

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Presentation	AS1	poster presentation	10	
Report	AS2	literature review	10	
Presentation	AS3	oral presentation	10	
Portfolio	AS4	Research methods	15	
Report	AS5	Final report	55	

Aims

To equip the student with the practical and transferable skills necessary to investigate and present a piece of research in the chemical or pharmaceutical sciences.

Learning Outcomes

After completing the module the student should be able to:

- 1 Locate, evaluate and discuss current scientific literature.
- 2 Design and carry out experiments demonstrating initiative and innovation in tackling a research project.
- 3 Critically discuss the methodology used and data and results obtained during the investigation and propose future developments.
- 4 Write a scientific report of the investigation in a logical and integrated form using relevant word processing, graphics and chemical structure packages.
- 5 Present research outcomes in both written and oral forms.
- 6 Reflect on the research methodology used to undertake an independent research project.

Learning Outcomes of Assessments

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

poster	1	3	4	5		
initial report	1	5				
seminar	1	2	3	4	5	6
PDP folder	1	3	5			
Final report	1	2	3	4	5	6

Outline Syllabus

The following areas will be explored via formally scheduled lectures and workshops; Information resources, literature review, COSHH assessments, statistical methods, poster presentation, oral presentation and report writing.

Appropriate topics for individual research projects within the chemical and pharmaceutical sciences will be provided. These projects will normally be laboratory based but in exceptional circumstances may be computer or library-based

Learning Activities

Lectures and workshops on the transferable skills required to carry out and record a piece of scientific research.

Practical laboratory sessions

Preparation and presentation of a poster
Report writing
Oral presentation
Preparation of a personal development portfolio.

Notes

To carry out a programme of research and to present the results of that research in written and oral forms with appropriate use of existing research literature.