

Liverpool John Moores University

Title: RESEARCH METHODS AND PROJECT
Status: Definitive
Code: **7002PDPHAR** (113369)
Version Start Date: 01-08-2011

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

Team	Leader
Mark Cronin	Y
Janet Krska	
Matthew Roberts	
James Downing	
Gillian Hutcheon	
Christopher Rostron	

Academic Level: FHEQ7 **Credit Value:** 50.00 **Total Delivered Hours:** 216.00

Total Learning Hours: 500 **Private Study:** 284

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	4.000
Practical	175.000
Seminar	3.000
Tutorial	25.000
Workshop	9.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Research Project Protocol	15.0	
Dissertation	AS2	Performance on project work and preparation of final report and abstract	70.0	
Presentation	AS3	Presentation of a seminar or poster	15.0	

Aims

To enable the student to design, initiate and complete a research project in any area of pharmaceutical science or practice

Learning Outcomes

After completing the module the student should be able to:

- 1 Locate and critically evaluate appropriate scientific literature
- 2 Design a protocol for a specific research project
- 3 Select the relevant statistics for a specific purpose
- 4 Design and perform experiments
- 5 Demonstrate competence in objective observation, data analysis and summarising data succinctly
- 6 Demonstrate proficiency in the production of clear and concise written report of the research
- 7 Demonstrate proficiency in the production and presentation of a seminar or poster of the research, suitable for presentation at a conference.

Learning Outcomes of Assessments

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

Project Proposal	1	2	3		
Project Report	1	3	4	5	6
Project Poster or Seminar	7				

Outline Syllabus

Approaches to research. Designing protocols. Experimental design. Scientific literature searching. Project work, including investigative work and data analysis. Succinct, concise written communication of a project report. Oral communication skills.

Learning Activities

Education in the research ethos. Developing a plan for a research project. Further development of literature searching and review skills. Time management. Data collection and analysis. Written and verbal reporting of research findings.

References

Course Material	Book
Author	Daly J. McDonald I. and Willis E.
Publishing Year	1992
Title	Researching Health Care
Subtitle	
Edition	
Publisher	Routledge
ISBN	0415070783

Course Material	Book
Author	McNeill P.
Publishing Year	1990
Title	Research Methods
Subtitle	
Edition	2nd Ed
Publisher	Routledge
ISBN	0415041260

Course Material	Book
Author	Oppenheim A.N.
Publishing Year	1992
Title	Questionnaire Design, Interviewing and Attitude Measurement
Subtitle	
Edition	2nd Ed
Publisher	Pinter
ISBN	1855670445

Course Material	Book
Author	Peat J.K
Publishing Year	2002
Title	Healthcare Science Research: A Handbook of Quantitative Methods
Subtitle	
Edition	
Publisher	Saga
ISBN	0761974032

Course Material	Book
Author	Schwartz L Preece P.E. and Hendry R.A.
Publishing Year	2002
Title	Medical Ethics: A Case-Based Approach
Subtitle	
Edition	
Publisher	Saunders
ISBN	0702025437

Course Material	Book
Author	Smith F.J.
Publishing Year	2002
Title	Research Methods in Pharmacy Practice
Subtitle	
Edition	
Publisher	Pharmaceutical Press
ISBN	0853694818

Course Material	Book
Author	Specific references for individual projects
Publishing Year	0
Title	
Subtitle	
Edition	
Publisher	
ISBN	

Notes

The research methods component of this module will be generic to all students. For the research project component, students will be under the supervision of one or more supervisors.