

Liverpool John Moores University

Title: DISSERTATION
Status: Definitive
Code: **6000CHMBIO** (101367)
Version Start Date: 01-08-2010

Owning School/Faculty: Natural Sciences & Psychology
Teaching School/Faculty: Natural Sciences & Psychology

Team	Leader
Simon Dowell	Y

Academic Level: FHEQ6
Credit Value: 12.00
Total Delivered Hours: 9.00
Total Learning Hours: 120
Private Study: 111

Delivery Options

Course typically offered: Summer

Component	Contact Hours
Lecture	4.000
Tutorial	5.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Dissertation	Report	Dissertation (literature review)	80.0	
Presentation	Poster	Academic Poster to be presented at student conference	20.0	

Aims

To provide the student with the experience of investigating a research topic in an appropriate manner under the guidance of an academic tutor. The findings will be presented in the form of a written report.

Learning Outcomes

After completing the module the student should be able to:

- 1 research the scientific literature associated with the research programme; extract and appropriately present relevant background information.
- 2 design and execute an appropriate research strategy for the investigation including a series of experimental, observational and/or information retrieval procedures.
- 3 select, highlight and critically evaluate the relevance and implications of the major findings.
- 4 discuss the findings in the scientific and/or applied context with reference to those of other workers.
- 5 work consistently and reliably under self-direction in order to achieve the aims of the project.
- 6 show substantial initiative in researching information, devising appropriate methods and coping with the practical requirements of the investigation.
- 7 Present the main findings of the investigation in the form of a poster and give a verbal defence of that poster

Learning Outcomes of Assessments

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

Dissertation report	1	2	3	4	5	6
Poster presentation	3	4	7			

Outline Syllabus

This module is a self-directed project module with tutorial guidance as required. There will be introductory sessions on using electronic abstracts and online journals. The project will be in any area appropriate to the student's programme of study and students will be allowed a choice of topic, subject to the approval of both the module leader and the appropriate subject leader.

Learning Activities

Appropriate titles will be determined by discussion between the module leader, the appropriate subject leader, individual tutors and individual students. Each student is allocated a member of the teaching team as a supervisor and one to one tutorials are held between supervisor and student. Reports take the form of a literature review of an appropriate topic in either Chemistry, Biology or at the interface of these two subjects.

References

Course Material	Book
Author	Peat, J.K.
Publishing Year	2002

Title	Scientific writing: easy when you know how
Subtitle	
Edition	
Publisher	BMJ Books
ISBN	0727916254

Course Material	Book
Author	Ebel, H.F., Bliefert, C. & Russey, W.E.
Publishing Year	2004
Title	Art of scientific writing: from student reports to professional papers in chemistry & related fields
Subtitle	
Edition	2nd
Publisher	Wiley
ISBN	3527298290

Notes

This module is only available to students taking the TAR college Honours Top-up in Chemistry & Biology.