

## Liverpool John Moores University

Title: The critical researcher  
Status: Definitive  
Code: **7011BMBMOL** (117815)  
Version Start Date: 01-08-2011

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

Team	Leader
Janice Harland	Y
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**Academic Level:** FHEQ7      **Credit Value:** 10.00      **Total Delivered Hours:** 20.00  
**Total Learning Hours:** 100      **Private Study:** 80

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	3.000
Seminar	5.000
Tutorial	8.000
Workshop	4.000

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	Diary		60.0	
Dissertation	Bibliograp		40.0	

### Aims

*To provide tutorial support for new MSc Biomedical Science students, and develop skills in evaluation and application of information.*

### Learning Outcomes

After completing the module the student should be able to:

- LO1 evaluate the content and applications of seminar presentations
- LO2 evaluate the current literature on a specified topic
- LO3 discuss the applications of theory to practice

### Learning Outcomes of Assessments

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

Evaluative diary	LO 1	LO 3
Annotated bibliography	LO 2	

### Outline Syllabus

*Critical writing, evaluation of presentations, data analysis, applications of theory to practice.*

*Some but not all of the material will enable students to consider and integrate the ways genetics underpins modern understanding of disease.*

### Learning Activities

Tutorial-based discussions including data handling exercises. Attendance at research and practice seminars and evaluation of their content and its applications. lectures and workshops on critical analysis, including data handling exercises. There are MANY good texts on reading and writing skills - browse in the library to find what suits your needs.

### References

<b>Course Material</b>	Book
<b>Author</b>	Iain K Crombie
<b>Publishing Year</b>	1996
<b>Title</b>	The pocket guide to critical appraisal
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	BMJ Publishing group
<b>ISBN</b>	072791099X

<b>Course Material</b>	Book
<b>Author</b>	Trisha Greenhalgh

<b>Publishing Year</b>	2006
<b>Title</b>	How to read a paper
<b>Subtitle</b>	The basics of evidence based medicine
<b>Edition</b>	3
<b>Publisher</b>	BMJ Publishing group/Blackwell
<b>ISBN</b>	1405139765

<b>Course Material</b>	Book
<b>Author</b>	Jan Pechenik and Bernard Lamb
<b>Publishing Year</b>	1994
<b>Title</b>	How to write about biology
<b>Subtitle</b>	The essential guide for students
<b>Edition</b>	
<b>Publisher</b>	harper Collins
<b>ISBN</b>	0004990005

<b>Course Material</b>	Book
<b>Author</b>	Richard Palmer
<b>Publishing Year</b>	2003
<b>Title</b>	The good grammar guide
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	Routledge
<b>ISBN</b>	0415312264

<b>Course Material</b>	Book
<b>Author</b>	Stella Cottrell
<b>Publishing Year</b>	2003
<b>Title</b>	Study Skills Handbook
<b>Subtitle</b>	
<b>Edition</b>	2
<b>Publisher</b>	Palgrave
<b>ISBN</b>	1403911355

<b>Course Material</b>	Book
<b>Author</b>	Peter Levin
<b>Publishing Year</b>	2007
<b>Title</b>	Skillful time management
<b>Subtitle</b>	
<b>Edition</b>	
<b>Publisher</b>	open University Press
<b>ISBN</b>	0335222943

<b>Course Material</b>	Book
<b>Author</b>	Matthew Allen
<b>Publishing Year</b>	2004
<b>Title</b>	Smart thinking

<b>Subtitle</b>	skills for critical understanding and writing
<b>Edition</b>	2
<b>Publisher</b>	Oxford university press
<b>ISBN</b>	0195517334

<b>Course Material</b>	Book
<b>Author</b>	Rise B Axelrod and Charles R Cooper
<b>Publishing Year</b>	1999
<b>Title</b>	Reading critically, writing well
<b>Subtitle</b>	a reader and guide
<b>Edition</b>	5
<b>Publisher</b>	St martin's
<b>ISBN</b>	0312250290

<b>Course Material</b>	Book
<b>Author</b>	Abby Day hard copy and electronic <a href="http://www.myilibrary.com?id=120891">http://www.myilibrary.com?id=120891</a> [Electronic book from MyiLibra]
<b>Publishing Year</b>	2007
<b>Title</b>	How to get research published in journals
<b>Subtitle</b>	
<b>Edition</b>	2
<b>Publisher</b>	Gower
<b>ISBN</b>	0566088150

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## Notes

This module enables you to develop a variety skills appropriate to working at Masters level in a range of biomedical contexts.