

Liverpool John Moores University

Title: DIAGNOSTIC APPLICATIONS IN BIOMEDICAL SCIENCE B
Status: Definitive
Code: **7009BMBMOL** (101509)
Version Start Date: 01-08-2011

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

Team	Leader
Lesley Walton	Y
Pat Barry	
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Academic Level: FHEQ7 **Credit Value:** 20.00 **Total Delivered Hours:** 16.00
Total Learning Hours: 200 **Private Study:** 184

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Seminar	4.000
Tutorial	12.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	A 1500 word essay on a selected topic that reflects a thorough understanding of the discipline. (25%)	25.0	
Reflection	AS2	A critical review of a recently published peer-reviewed paper that reflects current issues in the student's discipline. (25%)	25.0	
Practice	AS3	A case study that indicates an appreciation of the role of the laboratory in patient diagnosis	25.0	

Category	Short Description	Description	Weighting (%)	Exam Duration
		and management. (25%)		
Presentation	AS4	A 15 minute oral presentation (25%).	25.0	

Aims

This module aims to develop students' knowledge of their specialist discipline in biomedical science.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate an understanding of sample analysis in their specialist discipline.
- 2 Be aware of current issues and advances in their discipline.
- 3 Appreciate the application of their discipline to diagnosis, treatment and monitoring in patient management.
- 4 Prepare and present information suitable for presentation to IBMS examiners and/or department discussion groups or seminars.

Learning Outcomes of Assessments

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

Essay	1	2	3	
Review of a paper	1	2	3	
Case study	1	2	3	4
Presentation	1	2	3	4

Outline Syllabus

The syllabus is defined by the subject-specific Specialist Diploma portfolios introduced in 2005 by the Institute of Biomedical Science (IBMS).

The Specialist Diploma portfolios are presented in seven sections. Sections 1 – 6 are concerned with the student's professional training and assessment and professional matters and will not be addresses in this module.

In this module (together with 7008BMBMOL) academic credit will be applied to the factual (knowledge and understanding) content of discipline-specific material in section 7 of these portfolios.

We will offer options in Histology, Clinical Chemistry, Haematology with Transfusion Practice and Medical Microbiology; tutorials in each option will be lead by a subject leader.

Learning Activities

Attendance will be required at four tutorials and one seminar. Tutorials will be led by LJMU subject leaders with some input from local biomedical scientists and pathologists working in the NHS pathology service. The seminar will take the form of individual oral presentations by the student group. Learning will principally be by self-study.

References

Notes

Reading material varies with the subject-specific tutorial topics. Most sources will be peer-reviewed papers and UK government websites.

Completion of this module will provide support for students taking the IBMS Specialist Diploma as a route to Associate membership of the IBMS and thus provide a route to Specialist Practitioner in Biomedical Science in the UK health services.

Work provided in this module will complement that of 7008BMBMOL (Diagnostic applications in biomedical science A). The content of these two modules will include all of the factual (knowledge and understanding) material in the Specialist Portfolios. The factual content of material in section 7 will be split between 7008BMBMOL and 7009BMBMOL. Subject leaders will be responsible for delivery of this material. 7008BMBMOL and 7009BMBMOL will be offered in alternate years; thus each module will stand alone.