

Liverpool John Moores University

Title: HOSPITAL LABORATORY PRACTICE 3
Status: Definitive
Code: **6006BMBMOL** (101494)
Version Start Date: 01-08-2014

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

Team	Leader
Pat Barry	Y

Academic Level: FHEQ6
Credit Value: 24.00
Total Delivered Hours: 204.00
Total Learning Hours: 240
Private Study: 36

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Off Site	180.000
Tutorial	24.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	AS1	Portfolio	100.0	

Aims

To provide students with the laboratory skills required to practice as a registered Biomedical Scientist.

To provide students with the skills required to audit, reflect on, and review practice.

Learning Outcomes

After completing the module the student should be able to:

- 1 Understand the need for career-long self-directed learning.
- 2 Work, where appropriate, in partnership with other professionals, contribute effectively to work undertaken as part of a multidisciplinary team, and demonstrate effective and appropriate skills in communicating information, advice, instruction and professional opinion to colleagues, patients and clients.
- 3 Use appropriate Quality Assurance (QA) and Quality Control (QC) techniques.
- 4 Critically analyse and evaluate the information collected, use research, reasoning and problem solving skills, and draw on appropriate knowledge in order to make professional judgements.
- 5 Manage workload in line with clinical demands.
- 6 Monitor and review the ongoing effectiveness of planned activity and modify it accordingly.

Learning Outcomes of Assessments

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

Portfolio	1	2	3	4	5	6
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Outline Syllabus

Principles of CPD and the maintenance of competence. How to access current trends and developments in Biomedical Science. Locate, access and critically evaluate information from a range of sources. Principles of team working, leadership and individual contribution in the laboratory team. Roles and relationships of other professional groups in the clinical setting. Factors influencing the effectiveness of the laboratory service. Procedures for, and constraints on communication with patients. Communication of information, advice, instruction and professional opinion to colleagues and service users. Range of information needs of service users.

Critical evaluation of new techniques prior to incorporation into routine use. Error logs, quality assurance, quality control and validation of analyses. Relevant protocols and reference ranges for investigating a range of disease processes. Recognition of normal and abnormal findings and their significance in relation to investigations performed. Critical interpretation of laboratory generated information.

Current trends and modern techniques in Biomedical Science and their impact on healthcare. Laboratory information systems. Application of knowledge and skills to make professional judgements. Workload management in line with clinical demands. Clinical analysis and interpretation requirements for different client groups. Factors influencing access to, and use of, services available. Purpose and range of standard laboratory tests. Role of, and mechanisms for audit and review in quality management. Laboratory quality assurance programmes. Case conferences.

Learning Activities

Work-based learning and compilation of portfolio evidence of training.

References

Course Material	Website
Author	
Publishing Year	
Title	Health Professions Council
Subtitle	http://www.hpc-uk.org/
Edition	
Publisher	
ISBN	

Course Material	Website
Author	
Publishing Year	
Title	Institute of Biomedical Science
Subtitle	http://www.ibms.org/
Edition	
Publisher	
ISBN	

Course Material	Website
Author	
Publishing Year	
Title	Clinical Pathology Accreditation
Subtitle	http://www.cpa-uk.co.uk/
Edition	
Publisher	
ISBN	

Course Material	Book
Author	Glencross, H., Ahmed, N., & Wang, Q.
Publishing Year	2011
Title	Biomedical Science Practice
Subtitle	Experimental and Profession Practice
Edition	
Publisher	Oxford University Press
ISBN	9780199533299

Course Material	Book
Author	
Publishing Year	
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Notes

Each of the learning outcomes (LO) for this module corresponds to one of the Health

Professions Council Standards of Proficiency from section 1 'Expectations of a Health Professional', or section 2 'The skills required for the application of practice'. They may be cross-referenced as follows:

LO1=1a.8

LO2=1b.2, 1b.3, 1b.4

LO3=2a.2

LO4=2a.4, 2b.1, 2b.2

LO5=2b.3

LO6=2c.1, 2c.2