

## Liverpool John Moores University

Title: HOSPITAL LABORATORY PRACTICE 2  
Status: Definitive  
Code: **5009BMBMOL** (101479)  
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:** FHEQ5  
**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 develop the basic skills required for the application of practice as a Biomedical Scientist.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Recognise the need for effective self-management of workload and to practice accordingly.
- 2 Gather appropriate information.
- 3 Undertake or arrange clinical investigations as appropriate.
- 4 Formulate specific and appropriate management plans, including the setting of timescales.
- 5 Conduct appropriate diagnostic or monitoring procedures safely and skilfully.
- 6 Maintain appropriate records.

## Learning Outcomes of Assessments

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

Portfolio                                    1    2    3    4    5    6

## Outline Syllabus

*Principles of self-management and time keeping in relation to service delivery. Sample analysis and recognition of incorrect procedures. Factors affecting sample integrity and appropriate corrective action. Effect of physiological, pathological, environmental and genetic factors on laboratory results. Principles, limitations and practice of a range of laboratory protocols relevant to sample investigation. Management of workload in line with clinical demands. Principles of planning, time management and target setting. The range of pathology services available. Clinical analysis and interpretation requirements for different groups. Factors that influence access to and use of services available. Procedural steps of a specimen through the laboratory, taking into account health and safety issues, equipment, methodologies, reagent preparation, prioritisation, quality control, result generation and interpretation, sources of error, storage and disposal. Principles of handling and recording clinical information. Procedures for dealing with incorrectly labelled specimens.*

## Learning Activities

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

## References

|                        |   |
|------------------------|---|
| <b>Course Material</b> | Website   |
| <b>Author</b>          |   |
| <b>Publishing Year</b> |   |
| <b>Title</b>           | Health Professions Council                                  |
| <b>Subtitle</b>        | <a href="http://www.hpc-uk.org/">http://www.hpc-uk.org/</a> |
| <b>Edition</b>         |   |
| <b>Publisher</b>       |   |
| <b>ISBN</b>            |   |

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| <b>Course Material</b> | Website |
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|                        |   |
|------------------------|---|
| <b>Author</b>          |   |
| <b>Publishing Year</b> |   |
| <b>Title</b>           | Institute of Biomedical Science                         |
| <b>Subtitle</b>        | <a href="http://www.ibms.org/">http://www.ibms.org/</a> |
| <b>Edition</b>         |   |
| <b>Publisher</b>       |   |
| <b>ISBN</b>            |   |

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|------------------------|---|
| <b>Course Material</b> | Website   |
| <b>Author</b>          |   |
| <b>Publishing Year</b> |   |
| <b>Title</b>           | Clinical Pathology Accreditaion                                 |
| <b>Subtitle</b>        | <a href="http://www.cpa-uk.co.uk/">http://www.cpa-uk.co.uk/</a> |
| <b>Edition</b>         |   |
| <b>Publisher</b>       |   |
| <b>ISBN</b>            |   |

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|------------------------|--------------------------------------|
| <b>Course Material</b> | Book                                 |
| <b>Author</b>          | Glencross, H., Ahmed, N., & Wang, Q. |
| <b>Publishing Year</b> | 2011                                 |
| <b>Title</b>           | Biomedical Science Practice          |
| <b>Subtitle</b>        | Experimental and Professional Skills |
| <b>Edition</b>         |                                      |
| <b>Publisher</b>       | Oxford University Press              |
| <b>ISBN</b>            | 9780199533299                        |

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| <b>Publishing Year</b> |      |
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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.6  
 LO2=2a.1  
 LO3=2a.3  
 LO4=2b.3  
 LO5=2b.4  
 LO6=2b.5