

Liverpool John Moores University

Title: FUNDAMENTALS OF MOLECULAR BIOSCIENCE
Status: Definitive
Code: **4011BCBMOL** (117408)
Version Start Date: 01-08-2015

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

Team	Leader
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Academic Level: FHEQ4 **Credit Value:** 24.00 **Total Delivered Hours:** 64.00
Total Learning Hours: 240 **Private Study:** 176

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	43.000
Practical	18.000
Workshop	2.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1		50.0	1.00
Test	AS3		25.0	
Report	AS2		25.0	

Aims

To provide a basic introduction to molecular and cellular biochemistry and biology

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate knowledge of tissue and cell structure, cellular processes and biomolecules.
- 2 Perform a number of biochemical and cellular procedures.
- 3 Report experimental findings appropriately.

Learning Outcomes of Assessments

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

Exam	1	
Test	1	2
Report	1	3

Outline Syllabus

1. *Proteins and amino acids. Structure and function.*
2. *Nucleic acids and gene expression.*
3. *Membranes: structure and function.*
4. *Cell structure and the cell cycle.*
5. *Histology of important tissues.*

Learning Activities

Lectures, practicals, workshops

Notes

Recommended prior study: A-Level Chemistry or equivalent; A-Level Biology or equivalent.