Liverpool John Moores University

Title:	INTRODUCTION TO STRUCTURAL AND FUNCTIONAL BIOCHEMISTRY
Status:	Definitive
Code:	**4102BCBMOL** (122482)
Version Start Date:	01-08-2021
Owning School/Faculty:	Pharmacy & Biomolecular Sciences
Teaching School/Faculty:	Pharmacy & Biomolecular Sciences

Team	Leader
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Academic Level:	FHEQ4	**Credit Value:**	20	**Total Delivered Hours:**	56
Total Learning Hours:	200	**Private Study:**	144		

Delivery Options
Course typically offered: Semester 1

Component	Contact Hours
Lecture	40
Practical	15

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Present practical data appropriately	50	
Exam	AS2	Recall information	50	1

Aims

To develop a basic fundamental understanding of structural and functional aspects of macromolecules, particularly proteins, in biology.

Learning Outcomes

After completing the module the student should be able to:

1	Analyse and present scientific data appropriately
2	Recall important aspects of the structure and function of macromolecules

Learning Outcomes of Assessments

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

Report	1
Exam	2

Outline Syllabus

Biological chemistry
Protein structure and regulation
Protein function
Carbohydrate structure and function
Macromolecule purification & analysis
Mechanisms of cell signalling

Learning Activities

Lectures & practicals

Notes

This module will enable students to demonstrate understanding of how protein structure impacts on protein function.