

### Summary Information

Module Code	4002PHASCI
Formal Module Title	Organic Chemistry
Owning School	Pharmacy & Biomolecular Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 4
Grading Schema	40

### Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

### Learning Methods

Learning Method Type	Hours
Lecture	33
Practical	18
Tutorial	5
Workshop	15

### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

### Aims and Outcomes

Aims	To explore the structure, bonding, functionality and reactions of organic molecules with specific reference to pharmaceutically important drugs and to develop in the student an ability to practise chemical laboratory skills and evaluate and communicate their findings.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Perform basic techniques within the chemistry laboratory, gather data, evaluate and communicate information within a scientific report.
MLO2	2	Recognise the bonding and bonding interactions of small molecular weight organic molecules, and biological molecules.
MLO3	3	Demonstrate a basic knowledge of pharmaceutically important molecules in terms of functional group chemistry, synthesis, stereochemistry and properties.
MLO4	4	Identify and reflect upon various aspects of personal development and self-awareness.

### Module Content

Outline Syllabus	Keyskills: critical thinking, report writing, referencing, structure drawing; health and safety. Basic lab skills: a series of practical to develop general lab skills. Bonding and intermolecular bonding. Bonding interactions in small molecular weight molecules and biological molecules. Organic chemistry; functional groups, stereochemistry, materials, synthesis and mechanisms. Introduction to pharmaceutically important low molecular weight drugs.
Module Overview	This module enables you to explore the structure, bonding, functionality and reactions of organic molecules with specific reference to pharmaceutically important drugs. You will also develop your ability to practice chemical laboratory skills.
Additional Information	Practical sessions will involve students gaining experience of basic chemical laboratory techniques and developing data analysis and report writing. The examination will assess students understanding of the principles of organic chemistry.

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Lab report	40	0	MLO1, MLO4
Centralised Exam	Examination	50	2	MLO2, MLO3
Future Focus e-learning task	Self awareness statement	10	0	MLO4

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
Melissa Russell	Yes	N/A

**Partner Module Team**

Contact Name	Applies to all offerings	Offerings
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