

Liverpool John Moores University

Title: Organic Chemistry
Status: Definitive
Code: **3502YAUNUT** (127921)
Version Start Date: 01-08-2021

Owning School/Faculty: Sport and Exercise Sciences
Teaching School/Faculty: Yunnan Agricultural University

Team	Leader
Elizabeth Mahon	Y

Academic Level: FHEQ3 **Credit Value:** 20 **Total Delivered Hours:** 42
Total Learning Hours: 200 **Private Study:** 158

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	30
Workshop	10

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	End of module exam	60	2
Portfolio	Portfolio	Portfolio of autonomous learning	40	

Aims

This module introduces students to the composition, structure, properties, synthesis and related theoretical knowledge of organic compounds. Through lectures and workshops students will master the basic knowledge and theory of organic chemistry and understand some of the latest achievements and developments in this field. This module provides a solid foundation for students to study food and nutrition in future modules.

Learning Outcomes

After completing the module the student should be able to:

- 1 Recall basic theory and knowledge of organic chemistry
- 2 Identify nomenclature of organic compounds and representation methods of organic molecular structures
- 3 Reproduce organic molecular structural formula and organic chemical reaction equations

Learning Outcomes of Assessments

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

Exam	1	2	3
Portfolio	2	3	

Outline Syllabus

This module covers the following topics:

Alkanes and alkenes; Aromatic Hydrocarbons; Optical Isomerism; Halogenated Hydrocarbons; Alcohols, Phenols, and Ethers; Aldehydes, Ketones, and Quinones; Carboxylic Acids and Their Derivatives and Substituted Acids; Nitrogen and Phosphorous Compounds; Heterocyclic Compounds; Fats and Carbohydrates

Learning Activities

This module adopts a mixture of tutor-led lectures alongside student-centred and discussion-based workshops. Students will be given tasks which encourage independent work and develop autonomous learning skills.

Notes

This module provides the foundation for students studying food science and nutrition modules at Levels 4, 5 and 6