

Liverpool John Moores University

Title: Experimental Organic Chemistry
Status: Definitive
Code: **3503YAUNUT** (127922)
Version Start Date: 01-08-2021

Owning School/Faculty: Pharmacy & Biomolecular Sciences
Teaching School/Faculty: Yunnan Agricultural University

Team	Leader
Elizabeth Mahon	Y

Academic Level: FHEQ3 **Credit Value:** 20 **Total Delivered Hours:** 26
Total Learning Hours: 200 **Private Study:** 174

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Practical	24

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Practical exam	100	2

Aims

This module aims to improve student's ability to combine theory with practise and to consolidate and deepen their knowledge of basic organic chemistry. Through this module students will enhance their laboratory, problem-solving and analytical skills.

Learning Outcomes

After completing the module the student should be able to:

- 1 Develop basic laboratory skills and appreciate health and safety requirements
- 2 Understand the common methods and basic operating techniques for separation and purification of organic compounds
- 3 Demonstrate an ability to process and present experimental data correctly

Learning Outcomes of Assessments

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

Practical exam	1	2	3
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Outline Syllabus

The following experiments and associated theory will be covered in this module: Recrystallization of Acetanilide; Determination of melting point and boiling point; Ordinary distillation; Paper chromatography; Synthesis of ethyl acetate; Extraction of Crude Oil; Steam distillation; Extracting Caffeine from Tea

Learning Activities

This is predominantly a practical module where students will develop laboratory skills required for study and work in the field of organic chemistry, food and nutrition. Underpinning theory will be explained prior to laboratory demonstrations and then students will have the opportunity to carry out the experiments themselves.

Notes

This module will apply principles covered in 3502YAUNUT