

## Liverpool John Moores University

Title: RESEARCH PROJECT  
Status: Definitive  
Code: **7000APCHEM** (121146)  
Version Start Date: 01-08-2021

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

Team	Leader
Mark Wainwright	Y
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Andrew Leach	
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Linda Seton	

**Academic Level:** FHEQ7      **Credit Value:** 60      **Total Delivered Hours:** 418  
**Total Learning Hours:** 600      **Private Study:** 182

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	9
Practical	409

**Grading Basis:** 50 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Dissertation	Report	Project Dissertation	70	
Presentation	Viva	Oral exam	30	

### Aims

*The course aims to enable the student to understand how research in Applied*

*Chemistry is carried out; to be able to use the chemical literature independently to support an advanced research project; to be able to appraise research critically.*

## **Learning Outcomes**

After completing the module the student should be able to:

- 1 Design and carry out a substantial advanced research project with independence and self determination.
- 2 Communicate, critically analyse and defend research material orally.
- 3 Produce a detailed and advanced research report.

## **Learning Outcomes of Assessments**

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

Project Dissertation	1	2	3
Oral exam	1	2	

## **Outline Syllabus**

*Planning and design of experimentation; literature searching and evaluation; statistics; writing scientific papers; practical chemistry.*

## **Learning Activities**

Lectures and practical work

## **Notes**

The course equips the student to carry out an extended research project in Applied Chemistry. Close collaboration with a research-active member of academic staff will provide experience and guidance in a 21st Century area of chemical research, and would support future career prospects in postgraduate research.