

### Summary Information

Module Code	4005PHASCI
Formal Module Title	Analytical 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	32
Practical	15
Tutorial	5
Workshop	6

### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

### Aims and Outcomes

Aims	To provide a basic, practical and relevant mathematical and analytical chemistry foundation for the quantitative aspects of the Pharmaceutical and Cosmetic Science programme.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Perform basic numerical manipulations, including those with signed quantities
MLO2	2	Perform statistical analysis of data with the aid of appropriate graphical software
MLO3	3	Demonstrate an understanding of the basic principles of qualitative and quantitative analytical methods

### Module Content

Outline Syllabus	Critical Thinking, Mathematics, Statistics, and Data Analysis Chromatography, and Quantitative Chemistry Qualitative and Quantitative Analytical Methods: Titrimetry and Spectroscopy
Module Overview	This module provides you with the basic, practical and relevant mathematical and analytical chemistry foundation for the quantitative aspects all Pharmaceutical modules.
Additional Information	This module will help develop a number of key skills including: Analysis, and problem-solving, Written communication, Initiative, Information literacy, and ICT skills

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Practical report	40	0	MLO3, MLO2
Centralised Exam	Examination	60	2	MLO1, MLO3

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
Raymond Fox	Yes	N/A

#### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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