

Liverpool John Moores University

Title: ADVANCED FORENSIC METHODS
Status: Definitive
Code: **6101FSBMOL** (122140)
Version Start Date: 01-08-2021

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

Team	Leader
Helen Burrell	Y
Kayleigh Sheppard	
Nick Dawnay	
Amanda Boddis	
Kehinde Ross	
Colin Robinson	

Academic Level: FHEQ6
Credit Value: 20
Total Delivered Hours: 55
Total Learning Hours: 200
Private Study: 145

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	29
Practical	6
Workshop	20

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	portfolio	Portfolio	100	

Aims

To provide students with a thorough knowledge of advanced types of crime scene investigation. To introduce new and novel research in forensic science and to be

able to use advanced statistical methods for evaluating forensic evidence.

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically evaluate current methods of serious crime scene investigation including good practice and current literature/case studies.
- 2 Critically review current literature from a range of forensic science areas
- 3 Apply statistical analysis to different types of evidence

Learning Outcomes of Assessments

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

Portfolio	2	3	1
-----------	---	---	---

Outline Syllabus

Lectures on topics such as death and fire investigation, principles and methodology. Statistical tests appropriate to forensic science including case studies and different evidence types.

Practical sessions to give student the opportunity to use new techniques.

This module includes the use of case studies and tabletop exercises.

Learning Activities

Practicals, lectures, seminars, workshops, case studies, and table top exercises

Notes

This module looks at advanced level crime scene analysis and recent advances in analysis techniques applicable to forensic science. It extends the basic concepts and methods previously introduced to the level required by the professional forensic scientist. Skills developed during this module include: analysing and solving problems, critical appraisal of literature, written communication, numerical reasoning, information and communication technology, as well as subject-specific skills. A number of developing forensic science areas will be discussed in relation to the current literature.