

Liverpool John Moores University

Title: GEOFORENSICS
Status: Definitive
Code: **6114NATSCI** (120766)
Version Start Date: 01-08-2019

Owning School/Faculty: Natural Sciences & Psychology
Teaching School/Faculty: Natural Sciences & Psychology

Team	Leader
David Jordan	Y
Chris Hunt	

Academic Level: FHEQ6 **Credit Value:** 24 **Total Delivered Hours:** 48
Total Learning Hours: 240 **Private Study:** 192

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	10
Off Site	16
Practical	18
Workshop	4

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Portfolio	Portfolio	Portfolio	50	
Presentation	Report pre	Report presentation	50	

Aims

This course aims to teach students the key skills and perspectives required to gather, assess and present geoforensic evidence. It will provide them with transferable skills in forensic field survey, site management, laboratory and geo-data analysis applicable to many situations in professional environmental science.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate a thorough understanding of geoforensic field and laboratory skills
- 2 Analyse Geoforensic field and laboratory data
- 3 Present and explain geoforensic evidence

Learning Outcomes of Assessments

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

Portfolio	1	2	3
Report presentation	1	2	3

Outline Syllabus

1) 3-day non-residential field course - Field skills and evidence gathering:

*Topographic and other technical survey and data analysis
Forensic site and excavation management and control
Forensic site recording and reporting*

2) Laboratory and computer practicals - analysing the evidence:

*The geoforensic analysis of site materials.
Geoforensic data handling.*

3) Lectures, supported by tutorials, covering the context, roll and background to geoforensic investigations.

The course will conclude with group presentation and workshop sessions during which students will describe the results of their own investigations based on evidence gathered during the initial field and laboratory studies.

Learning Activities

Field course, Lectures, Workshops and Seminars.

Notes

This very practical course is intended as an introduction to Geoforensics which draws on knowledge which students have obtained at L4 and L5. It aims to teach students the key skills and perspectives required to gather, assess and present geoforensic evidence. It will provide them with transferable skills in forensic field

survey, site management, laboratory and geo-data analysis applicable to many situations in professional environmental practice.