

#### Summary Information

Module Code	6305NATSCI
Formal Module Title	Geoforensics
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

#### Teaching Responsibility

LJMU Schools involved in Delivery
Biological and Environmental Sciences

#### Learning Methods

Learning Method Type	Hours
Lecture	10
Off Site	16
Practical	18
Workshop	4

#### Module Offering(s)

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

#### Aims and Outcomes

Aims	Introduce students to the key skills and perspectives required to collect, critically evaluate and present geoforensic evidence. It will provide students with transferable skills in forensic field survey, site management, laboratory and geo-data analysis applicable to many situations in professional environmental science.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Employ relevant geoforensic field and laboratory techniques
MLO2	2	Critically evaluate the findings from field and lab based data analyses
MLO3	3	Develop logical argument to synthesize complex results and findings to a non-specialist audience

### Module Content

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, role 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.
Module Overview	The aim of this module is to introduce you to the key skills and perspectives required to collect, critically evaluate and present geoforensic evidence. It will provide transferable skills in forensic field survey, site management, laboratory and geo-data analysis applicable to many situations in professional environmental science.
Additional Information	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.

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Field report and notebook	50	0	MLO1, MLO2
Presentation	Presentation	50	0	MLO2, MLO3

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
David Jordan	Yes	N/A

#### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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