

Module Descriptor Form

Civil and Environmental Engineering

CL960 - Fundamentals Of Environmental Forensics

Module Code	CL960	Module Title	Fundamentals Of Environmental Forensics							
Module Registrar										
Other Staff Involved	Dr Christopher Gallacher (Lecturer)									
Credit Weighting	10	Semester	1/2/3	Elective	Yes	Academic Level				
Pre-requisites										
Required for										

Module Format and Delivery (hours):

Lectures	Tutorials	Assignments	Labs	Private Study	Total
20	0	40	0	40	100

Educational Aim

This module aims to:

module aims to provide the student with an understanding of:

- An understanding of Environmental Forensics as a Discipline
- An understanding of a range of contaminants found in the Environment, and their Fate and Transport
- Approach and analytical techniques to determine the responsible parties for contamination found in the environment

Real-world applications of Environmental Forensics

Syllabus

This module will teach the following:

The module will teach the following:

Lectures on the Legal Framework that shapes Environmental Forensics

Lectures on scientific and environmental investigation techniques used in Environmental Forensics

Review of real case studies that have been determined using Environmental Forensics

Learning Outcomes*On Completion of the module, the student is expected to be able to:*

LO: 1	demonstrate an understanding of the use of environmental science data within a legal framework including interpretation of real world application of Environmental Forensics
LO: 2	demonstrate an understanding of the methods for collecting environmental data and how the process of collecting data is managed within a Legal Environmental Forensics framework.

*(UK SPEC suggests no more than 4 learning outcomes per module. Statements must be broad and be syllabus free and link in with the intended learning outcomes on the programme specifications.)***Assessment of Learning Outcomes - Criteria**

Learning Outcome: 1

	Criteria
1	LO1 and LO2 will be assessed through evaluation of the coursework assignment and through informative assessment in class discussion periods
2	LO1 and LO2 will also be assessed formally through an examination

Learning Outcome: 2

	Criteria
1	LO1 and LO2 will be assessed through evaluation of the coursework assignment and through informative assessment in class discussion periods
2	LO1 and LO2 will also be assessed formally through an examination

Assessment Method(s) Including Percentage Breakdown and Duration of Exams

To Pass the module, students need to gain a summative mark of: 50%

Description	Semester	Start Week	Duration	Weight	Submission Week	Linked Criteria
Weekly Quizzes	I/2/3	1		10%	10	
Assignment 1	I/2/3	1		40%	11	
Exam. Open Book: Safe exam browser enabled but open book	I/2/3		2.50	50%	E	

Principles of Assessment Feedback

Informative assessment through feedback on coursework submission and group discussions will provide the students with the ability to gauge their learning against the expected outcomes.

Feedback in group discussions will be immediate and for the coursework, feedback will be provided within 3 weeks of submission of the project.

Additional Information**Resit Procedure**

2.5 hr examination in August diet / Resubmission of coursework(s) prior to commencement of the August exam diet.

Recommended Reading

All text books and reading materials required for the module are available on MyPlace

Module Timetable

Week	Semester 1	Semester 2
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
E		

Date of Last Modification

15-09-2025