



MODULE SPECIFICATION

Part 1: Information			
Module Title	Geological Field Skills		
Module Code	UBGMN8-15-1	Level	Level 4
For implementation from	2020-21		
UWE Credit Rating	15	ECTS Credit Rating	7.5
Faculty	Faculty of Environment & Technology	Field	Geography and Environmental Management
Department	FET Dept of Geography & Environmental Mgmt		
Contributes towards			
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p>Educational Aims: See Learning Outcomes</p> <p>Outline Syllabus: Field equipment and health and safety, risk assessment.</p> <p>Site selection using maps and literature.</p> <p>Scale of observation and measurement, dip, strike, orientation.</p> <p>Recording observations, photography, use of mobile apps.</p> <p>Palaeontology in the field, recording sedimentary features, graphic logs.</p> <p>Recording features of igneous and metamorphic rocks.</p>

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Recording information on structural features.

Use of instruments, recording numerical data.

Sampling strategies.

Creating a basic geological map.

Creating base maps for geological field work using GIS.

Adding field observation to a map using GIS.

Interpreting field observations and reporting.

Teaching and Learning Methods: Students will receive, on average, 3 hours' contact time per week. This is essentially a field-based module and the residential field trip will be introduced by laboratory-based workshops and practical sessions. One-to-one support will be provided during the practical and field sessions and via email.

Scheduled learning on this module includes workshops, demonstrations, practical classes and field excursions. Independent learning includes hours engaged with essential reading, completion of practical work, assignment preparation and completion. These sessions constitute an average time.

Contact time (field and laboratory sessions): 50 hours

Assimilation, development of knowledge and independent reading: 55 hours

Coursework preparation: 45 hours

Total study time: 150 hours

Part 3: Assessment

Summative assessment:

Component A – Fieldwork report. Learning outcomes 1, 3-6:

Presentation of a portfolio of work drawn from individual and small group exercises completed during the residential field excursion.

This will investigate students' field observation skills, and skills in recording and interpreting sediments, rocks, structures and landforms in the field.

Component B:

Element 1: Portfolio of practical work (equivalent to 2000 words). Learning outcomes 3-7.

This comprises individual exercises carried out before the field excursion.

It will assess students' ability to access key resources, carry out accurate measurements, draw to scale and make interpretations using academic literature.

Element 2: Portfolio of GIS exercises. Learning outcomes 2, 3, 6.

This comprises individual exercises using GIS.

It will assess students' ability to apply standard GIS methods.

Formative work:

Formative feedback will be available at all stages during practical sessions and the residential field trip.

First Sit Components	Final Assessment	Element weighting	Description
Report - Component A	✓	50 %	Fieldwork report (1500 words)

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Portfolio - Component B		25 %	Portfolio of practical work (equivalent to 2000 words)
Portfolio - Component B		25 %	GIS exercise
Resit Components	Final Assessment	Element weighting	Description
Report - Component A	✓	50 %	Fieldwork report (1500 words)
Portfolio - Component B		50 %	Portfolio of practical work (equivalent to 2000 words)

Part 4: Teaching and Learning Methods		
Learning Outcomes	On successful completion of this module students will be able to:	
	Module Learning Outcomes	
	MO1	Demonstrate correct and safe use of appropriate field equipment
	MO2	Carry out an initial study of geological maps and relevant literature in order to develop a prior understanding of a field site
	MO3	Record observations and measurements of rock outcrops taken in the field for later interpretation
	MO4	Record information about sedimentary rocks in the field as a graphic log
	MO5	Describe, identify and interpret common igneous, metamorphic and sedimentary rock types in outcrop
	MO6	Present the outcomes of field study in oral, written and graphic (diagrams and maps) forms
Contact Hours	Contact Hours	
	Independent Study Hours:	
	Independent study/self-guided study	100
	Total Independent Study Hours:	100
	Scheduled Learning and Teaching Hours:	
	Face-to-face learning	50
	Total Scheduled Learning and Teaching Hours:	50
	Hours to be allocated	150

STUDENT AND ACADEMIC SERVICES

	Allocated Hours	150
Reading List	<i>The reading list for this module can be accessed via the following link:</i> https://uwe.rl.talis.com/modules/ubgmn8-15-1.html	