



## MODULE SPECIFICATION

Part 1: Information			
Module Title	Stratigraphy of the British Isles		
Module Code	UBGMPP-15-1	Level	Level 4
For implementation from	2019-20		
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		
Module type:	Standard		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
<p><b>Educational Aims:</b> See Learning Outcomes</p> <p><b>Outline Syllabus:</b> Principals of stratigraphy (bio-, litho-, chrono-).            Controls on sedimentation.            Basin analysis, plate tectonics and the British Isles.            Precambrian rocks and palaeogeography.            Palaeozoic rocks, palaeogeography and climate indicators.            Mesozoic rocks, palaeogeography and climate indicators.            Mass extinctions.            Cenozoic rocks, Tertiary and Quaternary events, tectonics and climate change.</p>

## STUDENT AND ACADEMIC SERVICES

Human impact and the Anthropocene.

Record of climate change over geological time in the British Isles.

Examination of rocks and fossils representing British Isles' stratigraphy.

**Teaching and Learning Methods:** Students will receive 3 hours' contact time per week. This will be predominantly in the form of workshops comprising a range of activities. Short lectures and demonstrations will introduce laboratory-based practical sessions involving geological and palaeogeographical maps, rock and fossil specimens. One-to-one support will be provided during practical sessions and via email.

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

Contact time (lectures and laboratory sessions): 36 hours

Assimilation, development of knowledge and independent reading: 74 hours

Exam preparation: 20 hours

Coursework preparation: 20 hours

Total study time: 150 hours

### Part 3: Assessment

Summative assessment:

Component A – Examination (2 hours). Learning outcomes 1-4.

The examination will have questions relating to the palaeogeographical evolution of the British Isles and how this has given rise to different strata during different geological periods.

Students will be expected to show their understanding of the principles of stratigraphy and plate tectonics in their answers.

Component B – Illustrated case study report. Learning outcomes 1-4.

This will enable students to investigate a particular geological period in detail and demonstrate their understanding of how that period is reflected in British Isles geology.

This exercise will be built up during practical sessions and students will receive formative assessment throughout.

Formative work:

Formative work will be set weekly during practical sessions for students' self assessment. Formative work will be an integral part of the reading strategy. Students will receive preparation exercises for the summative assessment that may include a mock exam.

First Sit Components	Final Assessment	Element weighting	Description
Report - Component B		50 %	Report (1000 words)
Examination - Component A	✓	50 %	Examination (2 hours)
Resit Components	Final Assessment	Element weighting	Description
Report - Component B		50 %	Report (1000 words)
Examination - Component A	✓	50 %	Examination (2 hours)

STUDENT AND ACADEMIC SERVICES

<b>Part 4: Teaching and Learning Methods</b>																	
Learning Outcomes	<p>On successful completion of this module students will achieve the following learning outcomes:</p> <table border="1"> <thead> <tr> <th style="text-align: left;"><b>Module Learning Outcomes</b></th> <th style="text-align: left;"><b>Reference</b></th> </tr> </thead> <tbody> <tr> <td>Explain the principles of stratigraphy and how rocks are dated and correlated</td> <td>MO1</td> </tr> <tr> <td>Demonstrate a broad knowledge of the palaeogeographic history of the British Isles and how this is interpreted from the rock record</td> <td>MO2</td> </tr> <tr> <td>Identify areas of the British Isles that are associated with rocks of different ages and explain their occurrence in terms of climate factors and plate tectonics</td> <td>MO3</td> </tr> <tr> <td>Demonstrate independent engagement with academic literature</td> <td>MO4</td> </tr> </tbody> </table>	<b>Module Learning Outcomes</b>	<b>Reference</b>	Explain the principles of stratigraphy and how rocks are dated and correlated	MO1	Demonstrate a broad knowledge of the palaeogeographic history of the British Isles and how this is interpreted from the rock record	MO2	Identify areas of the British Isles that are associated with rocks of different ages and explain their occurrence in terms of climate factors and plate tectonics	MO3	Demonstrate independent engagement with academic literature	MO4						
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Reading List	<p><i>The reading list for this module can be accessed via the following link:</i></p> <p><a href="https://uwe.rl.talis.com/modules/ubgmpp-15-1.html">https://uwe.rl.talis.com/modules/ubgmpp-15-1.html</a></p>																

<b>Part 5: Contributes Towards</b>	
<p>This module contributes towards the following programmes of study:</p> <p>Geology [Sep][FT][Frenchay][3yrs] BSc (Hons) 2019-20</p> <p>Geology [Sep][SW][Frenchay][4yrs] BSc (Hons) 2019-20</p>	