

## Liverpool John Moores University

Title: GEOGRAPHICAL BASIS OF OUTDOOR EDUCATION  
Status: Definitive  
Code: **4201OUTDOR** (104227)  
Version Start Date: 01-08-2016

Owning School/Faculty: Sports Studies, Leisure and Nutrition  
Teaching School/Faculty: Sports Studies, Leisure and Nutrition

Team	Leader
Timothy Stott	Y

**Academic Level:** FHEQ4      **Credit Value:** 24      **Total Delivered Hours:** 51

**Total Learning Hours:** 240      **Private Study:** 189

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	29
Off Site	7
Practical	2
Workshop	10

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	AS1	Coursework (Library based Report, 1500 words)	25	
Portfolio	AS2	Coursework (Individual field project, 1500 words)	50	
Exam	AS3	On-line assessment	20	1
Exam	AS4	Written Examination	30	2

### Aims

1. To provide a conceptual framework linking the Earth, its evolution and geological processes to the atmosphere, weather and climate.

2. To provide a sound basis for planning and execution of fieldwork in Geography and Outdoor Education.

## Learning Outcomes

After completing the module the student should be able to:

- 1 recall the position of planet Earth in the Solar System and Universe and understand theories put forward to explain the Earth's formation;
- 2 describe and identify the Earth's structure, continental drift and plate tectonic processes and have a knowledge of the Earth's history;
- 3 define the processes and rock types occurring at constructive and destructive plate boundaries, including earthquakes, volcanism and mountain building and other processes resulting in rock formation and deformation;
- 4 have an overview of the atmosphere as an energy system, the processes that result and be able to relate these processes to the weather systems that they produce;
- 5 describe mountain, urban, forest and coastal weather phenomena, conveying complex concepts in words, diagrams or other media.
- 6 have a basic understanding of climate change and the causes of atmospheric pollution including global warming, distinguishing between facts and assumptions.
- 7 make decisions in order to plan, design and carry out field investigations in microclimatology, breaking down complex data from several sources before coming to a conclusion, using ICT to analyse the data and present the findings.
- 8 seek out and use relevant information to plan, research, organise and present a report on a designated topic from earth science and atmospheric processes, identifying strengths and weaknesses in arguments.

## Learning Outcomes of Assessments

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

Report	1	2	3	4	6	8
Portfolio	5	7	8			
EXAM	1	2	3	4	5	6
EXAM	4	7				

## Outline Syllabus

*Origin of the Universe, stars and galaxies. Origin and position of planet earth, the early atmosphere and the origin of life. The earth's interior and the energy sources of earth processes. Continental drift and plate tectonic processes. Rocks: their formation, classification and identification, including volcanic, sedimentary and metamorphic processes. Geological history and rock deformation.*

*Weather and climate. Atmospheric composition and energy. Water in the atmosphere. Atmospheric motion. Air masses. Fronts and depressions. Mountain weather and climate. Urban, forest and coastal climates. Classification of work*

*climates. Climatic change and atmospheric pollution.*

*Fieldwork planning. Safety in fieldwork. Execution of practical investigations in fieldwork.*

## **Learning Activities**

Lectures, workshops, weekly on-line self assessment questions, viewing DVDs with questions/worksheets, Powerpoint slides, practical rock specimen examination, practical fieldwork in microclimatology, tutorials, private study using web based learning resources.

## **Notes**

This module will provide students with a conceptual framework linking the Earth, its evolution and geological processes to the atmosphere, weather and climate. It will develop students' information technology skills and provide students with the opportunity to undertake a small-scale field investigation. Laboratory identification of mineral and rock samples. The module will provide a sound basis for planning and execution of fieldwork in Geography and Outdoor Education.