

Liverpool John Moores University

Title: Geographical and Ecological Perspectives in Outdoor Education
1
Status: Definitive
Code: **4362SSLN** (123308)
Version Start Date: 01-08-2019

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

Team	Leader
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Academic Level: FHEQ4 **Credit Value:** 10 **Total Delivered Hours:** 20

Total Learning Hours: 100 **Private Study:** 80

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	10
Off Site	8
Tutorial	2

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS 1	Essay (2500 words)	100	

Aims

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

2. To provide a sound basis for planning and execution of urban fieldwork as relevant to Outdoor Education.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate the evolution and geological processes on Earth and how they link to the hydrosphere, biosphere and atmosphere.
- 2 Plan and execute local field investigations and report the findings in a scientifically rigorous way.

Learning Outcomes of Assessments

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

Essay	1	2
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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. Rock 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.

Learning Activities

Lectures, workshops, practical fieldwork in geology, ecology, soil and microclimatology, tutorials, private study using web based learning resources.

Notes

This module provides students with a conceptual framework linking the Earth, its evolution and geological processes, to the atmosphere, hydrosphere and biosphere. It provides a sound basis for planning and execution of fieldwork in ecology and geography as relevant to Outdoor Education.