

Liverpool John Moores University

Title: ECOLOGY
Status: Definitive
Code: **4209NATSCI** (122049)
Version Start Date: 01-08-2021

Owning School/Faculty: Biological and Environmental Sciences
Teaching School/Faculty: Biological and Environmental Sciences

Team	Leader
Torsten Wronski	Y
Susanne Zajitschek	
Jon Bielby	
Lochran Traill	
Stephanie Evers	
Christopher Williams	
Brian Preston	
Jennifer Sneddon	

Academic Level: FHEQ4
Credit Value: 20
Total Delivered Hours: 59.5
Total Learning Hours: 200
Private Study: 140.5

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	36
Off Site	12
Workshop	10

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Report	Fieldwork report	50	
Exam	Exam	Multiple choice questions	50	1.5

Aims

To investigate basic ecological concepts and the ecological characteristics of a range of habitats.

Learning Outcomes

After completing the module the student should be able to:

- 1 Recognise the influence of the environment on habitat structure.
- 2 Discuss the ecological concepts governing the distribution of living organisms.
- 3 Evaluate the role of humans in habitat modification and conservation.

Learning Outcomes of Assessments

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

Fieldwork report	1	2	
Exam MCQ	1	2	3

Outline Syllabus

Basic ecological concepts (e.g. species and succession), communities and ecosystems. The environment; biotic and abiotic elements. Nutrient cycling, populations and diversity and adaptations of organisms to their environment. the influence of humans on ecosystems. Case studies will include the major ecosystem types of the world (e.g. aquatic, forest, grassland, wetland, farmland, and urban habitats) and their geographical distribution.

Learning Activities

Students undertake a programme of field visits to a range of habitats and participate in a variety of workshop activities linked to the lecture programme. Some module activities will be taught online.

Notes

The module provides students with a basic understanding of ecology and ecological characteristics of a range of habitats.