

## Liverpool John Moores University

Title: FRONTIERS OF ECOLOGY  
Status: Definitive  
Code: **6204NATSCI** (122187)  
Version Start Date: 01-08-2021

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

Team	Leader
David Bourke	Y

**Academic Level:** FHEQ6  
**Credit Value:** 20  
**Total Delivered Hours:** 50  
**Total Learning Hours:** 200  
**Private Study:** 150

### Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	28
Practical	9
Workshop	11

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Herbivory	Write-up of Locust Grazing Practical	50	
Exam	Exam	End of Module Exam	50	2

### Aims

#### *Aims*

- (a) to provide an in-depth discussion of selected current research topic areas in ecology reflecting the interests of staff members.
- (b) to demonstrate how hypotheses are developed, tested and validated in modern ecology.

## Learning Outcomes

After completing the module the student should be able to:

- 1 Critically review the nature of ecological problems and their solutions.
- 2 Discuss the ecological principles and techniques forming the background to the study of populations, communities and ecosystems.
- 3 Critically evaluate the approaches used to investigate selectively key aspects of ecosystem structure and function and their implications for ecological change, management and conservation.

## Learning Outcomes of Assessments

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

Locust Grazing Practical	2	3	
Exam	1	2	3

## Outline Syllabus

*The aims and learning outcomes of this module will be addressed through a series of selected case studies highlighting the research interests of individual staff members. The range of topics covered could include such things as: the origin and maintenance of ecological diversity; evolutionary ecology; global change.*

## Learning Activities

This module will be taught primarily by lectures, practicals and workshops.

## Notes

This module examines a diversity of important contemporary research topics linked to ecology. These will be placed in a broader context by examining conflicting issues and ideas arising from ecological considerations.