

## Liverpool John Moores University

Title: FRONTIERS OF ECOLOGY  
Status: Definitive  
Code: **6011NATSCI** (101282)  
Version Start Date: 01-08-2019

Owning School/Faculty: Natural Sciences & Psychology  
Teaching School/Faculty: Natural Sciences & Psychology

Team	Leader
David Bourke	Y
Lucia Galvez Bravo	
Sarah Dalrymple	
Sheelagh Conlan	

**Academic Level:** FHEQ6      **Credit Value:** 24      **Total Delivered Hours:** 46  
**Total Learning Hours:** 240      **Private Study:** 194

### Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	22
Off Site	8
Practical	9
Workshop	5

**Grading Basis:** 40 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Examination essay and interpretative questions	50	2
Report	Locust	Practical report	50	

### 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:

EXAM	1	2	3
Locust Report	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; ecosystem functioning; conservation planning; global change.*

## **Learning Activities**

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

## **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.