

### Summary Information

<b>Module Code</b>	5213NATSCI
<b>Formal Module Title</b>	Animal Field Skills
<b>Owning School</b>	Biological and Environmental Sciences
<b>Career</b>	Undergraduate
<b>Credits</b>	20
<b>Academic level</b>	FHEQ Level 5
<b>Grading Schema</b>	40

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
Christopher Williams	Yes	N/A

#### Module Team Member

Contact Name	Applies to all offerings	Offerings
Begona Martinez Cruz	Yes	N/A
Luiza Figueiredo Passos	Yes	N/A
Edwin Parker	Yes	N/A
Ross Macleod	Yes	N/A
Jennifer Sneddon	Yes	N/A
Emily Bethell	Yes	N/A

#### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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## Teaching Responsibility

### LJMU Schools involved in Delivery

Biological and Environmental Sciences

## Learning Methods

Learning Method Type	Hours
Lecture	30
Off Site	36

## Module Offering(s)

Offering Code	Location	Start Month	Duration
JAN-CTY	CTY	January	12 Weeks

## Aims and Outcomes

<b>Aims</b>	To demonstrate theoretical and practical aspects of animal ecology field survey methods in different habitats, with particular emphasis on animal census, biodiversity assessment, and behavioural ecology.
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## Learning Outcomes

After completing the module the student should be able to:

Code	Description
MLO1	Employ techniques to survey and humanely capture animals in the field.
MLO2	Design field sampling experiments to achieve specific ecological objectives, such as the assessment of microhabitat selection by animals.
MLO3	Critically analyse, interpret and discuss data from field sampling programmes.

## Module Content

### Outline Syllabus

Introduction to field methods to trap, handle, survey and measure animals in their environment, particularly terrestrial invertebrates, amphibians, reptiles, birds, and mammals. Introduction to indirect census methods: tracks and signs, pellet counts, camera traps. Introduction to different field survey techniques and sampling methods. Introduction to the practical application of GIS and Google Earth in field studies. Data analyses. Presentation of research results.

### Module Overview

This module enables you to examine different methods used for animal censuses and surveys, including sampling techniques.

### Additional Information

This module examines different standardised methods used for animal censuses and surveys. Different sampling techniques are dealt with in some depth during the different types of session, with the aim of explaining the quantitative framework on which they are based.

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Learning Outcome Mapping
Report	Field scientific report	50	0	MLO3, MLO2, MLO1
Portfolio	Port field act /workshops	50	0	MLO3, MLO2, MLO1