

Liverpool John Moores University

Title: ANIMAL FIELD SKILLS
Status: Definitive
Code: **5213NATSCI** (122073)
Version Start Date: 01-08-2021

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

Team	Leader
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Academic Level: FHEQ5 **Credit Value:** 20 **Total Delivered Hours:** 66
Total Learning Hours: 200 **Private Study:** 134

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	30
Off Site	36

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	REP1	Individual data-based report	50	
Portfolio	PORT1	Portfolio of the field activities and workshops on campus	50	

Aims

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.

Learning Outcomes

After completing the module the student should be able to:

- 1 Employ techniques to survey and humanely capture animals in the field.
- 2 Design field sampling experiments to achieve specific ecological objectives, such as the assessment of microhabitat selection by animals.
- 3 Critically analyse, interpret and discuss data from field sampling programmes.

Learning Outcomes of Assessments

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

Field scientific report	1	2	3
Port field actv /workshops	1	2	3

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.

Learning Activities

The module will be delivered through a combination of lectures, fieldwork, and computer workshops.

Notes

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.