

Module specification

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Module Code	ANM529
Module Title	Survey Skills for Conservation
Level	5
Credit value	20
Faculty	FSLS
HECoS Code	100518
Cost Code	GAAN

Programmes in which module to be offered

Programme title	Is the module core or option for this programme
FdSc Practical Wildlife Management	Core
FdSc Animal Behaviour, Welfare and Conservation	Core
BSc (Hons) Animal Behaviour, Welfare and Conservation	Core

Pre-requisites

N/A

Breakdown of module hours

Learning and teaching hours	10 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	20 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	30 hrs
Placement / work based learning	170 hrs
Guided independent study	0 hrs
Module duration (total hours)	200 hrs

For office use only	
Initial approval date	12/05/2022
With effect from date	September 2023
Date and details of revision	15/5/24 Approved revalidation for Sept 2024 – updated LO2 and Syllabus.
Version number	2

Module aims

This module aims to develop student's identification skills through engaging with practical ecological surveys in the field and online database searches. Students will be involved in data collection, analysis, and interpretation and understand how to write an ecological report using current mapping software to display data.

Module Learning Outcomes - at the end of this module, students will be able to:

1	Examine the legislative need and scope of Ecological Impact Assessments
2	Understand how animal ecology and behaviour shapes recognised survey techniques for a range of species
3	Demonstrate how to present survey data using ecological reports and mapping software

panel suggested adjusting the stated learning outcomes of this module to more explicitly reference animal behaviour

Assessment

Indicative Assessment Tasks:

This section outlines the type of assessment task the student will be expected to complete as part of the module. More details will be made available in the relevant academic year module handbook.

Assessment 1: Coursework: A range of practical surveys to be written as an ecological report including survey data and using relevant mapping software (3000 word equivalent)

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1, 2, 3	Coursework	100

Derogations

N/A



Learning and Teaching Strategies

A blended format will be utilised to deliver this module. An active and inclusive learning environment aligned to Universities ALF will enable flexible, accessible, and individualised learning opportunities for students. This approach will include both synchronous and asynchronous learning. Practical sessions and workshops will enable students to implement theory in practice. Coursework will be completed throughout the semester, but assessment will take place at the end of the module.

Indicative Syllabus Outline

Town and Country Planning (Environmental Impact Assessment) Regulations 2011, CIEEM Guidelines for Ecological Impact Assessment in the UK and Ireland: Terrestrial, Freshwater, Coastal and Marine, Wildlife and Countryside Act (1981) (as amended), Conservation of Habitats and Species Regulations (2017) (as amended)

Vegetation and habitat description, survey techniques; Phase 1, NVC, bats, reptiles, amphibians, mammals, kick-sampling, sweep nets, moth traps. Industry standard survey techniques determined by ecology and behaviour: feeding, mating, nesting, roosting, hibernation. Conservation detection dogs. Drone aerial mapping. GPS, GIS. Desk-top surveys; Cofnod, database searches, MAGIC. CIEEM Species Survey Competencies

Data presentation: ecological report writing, mapping software, data collection, analysis, and interpretation

Indicative Bibliography:

Please note the essential reads and other indicative reading are subject to annual review and update.

Essential Reads

Silvy, N. J. (2020), *The Wildlife Techniques Manual: Volume 1: Research. Volume 2: Management. (Volumes 1 and 2)*. Baltimore: Johns Hopkins University Press.

Other indicative reading

Dean, M. (2021), *Water Vole Field Signs and Habitat Assessment: A Practical Guide to Water Vole Surveys*. Exeter: Pelagic Publishing.

Gent, T. and Gibson, S. (2012), *Herpetofauna Workers' Manual*. Exeter: Pelagic Publishing.

Kirby, K. and Hall, J. (2019), *Woodland Survey Handbook: Collecting Data for Conservation in British Woodland*. Exeter: Pelagic Publishing.

Employability – the University Skills Framework

Each module and degree programme are designed to support learners as they develop their graduate skills aligned to the University Skills Framework.

Using the philosophies of the Active Learning Framework (ALF) our 10 skills are embedded within programmes complementing core academic subject knowledge and understanding.



Through continuous self-assessment students own their individual skills journey and enhance their employability and career prospects.

This Module forms part of a degree programme that has been mapped against the University Skills Framework.

The Wrexham University Skills Framework Level Descriptors: An incremental and progressive approach.

Learners can use this document to identify where and how they are building skills and how they can develop examples of their success.

