Module specification

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Module Code	ANM529
Module Title	Survey Skills for Conservation
Level	5
Credit value	20
Faculty	FSLS
HECoS Code	100219, 100347
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

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

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Date and details of revision	
Version number	1

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	Analyse the methods and processes involved with a range of ecological survey techniques
3	Demonstrate how to present survey data using ecological reports and mapping software

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. 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 skills – the Glyndŵr Graduate

Each module and programme is designed to cover core Glyndŵr Graduate Attributes with the aim that each Graduate will leave Glyndŵr having achieved key employability skills as part of their study. The following attributes will be covered within this module either through the content or as part of the assessment. The programme is designed to cover all attributes and each module may cover different areas.

Core Attributes
Engaged

Enterprising
Creative
Ethical

Key Attitudes
Commitment
Curiosity
Resilience
Confidence
Adaptability

Practical Skillsets
Digital Fluency
Organisation
Leadership and Team working
Critical Thinking
Emotional Intelligence
Communication