Prifysgol **Wrecsam**
Wrexham University

Module specification

When printed this becomes an uncontrolled document. Please access the Module Directory for the most up to date version by clicking on the following link: <u>Module directory</u>

Module Code	ANM613
Module Title	Animal Welfare Assessment
Level	6
Credit value	20
Faculty	SLS
HECoS Code	100523
Cost Code	GAAN

Programmes in which module to be offered.

Programme title	Is the module core or option for this programme
BSc (Hons) Animal Behaviour Welfare and Conservation	Core
BSc (Hons) Top Up Animal Behaviour Welfare and Conservation	Core
BSc (Hons) Equine Science and Welfare Management	Core

Pre-requisites

N/A

Breakdown of module hours

Learning and teaching hours	24 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	**24 hrs**
Placement / work based learning	0 hrs
Guided independent study	176hrs
Module duration (total hours)	**200 hrs**

For office use only	
Initial approval date	15/5/24
With effect from date	September 2024
Date and details of revision	
Version number	1

Module aims

This module will enable students to explore how animal welfare can be assessed and improved in a range of environments and situations. Students will investigate the physical, physiological and behavioural adaptations of animals resulting from their modern use and husbandry.

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

1	Critique likely physical and physiological changes resulting from modern use and husbandry of animals
2	Critically evaluate animal behaviour indicative of positive and negative welfare resulting from their use and husbandry.
3	Evaluate contemporary welfare assessment methods and frameworks applicable to a range of animal husbandry situations.
4	Critically evaluate welfare standards provided within animal husbandry systems justifying improvements that could be practically implemented to improve animal welfare.

Assessment

Indicative Assessment Tasks:

Assessment One:
An in-class test will cover the physical, physiological and behavioural changes experienced by animals exposed to modern use and husbandry. The test will comprise of multiple choice and short answer questions (Learning outcomes 1 & 2).

Assessment Two:
Students will critically evaluate a chosen husbandry system for a given animal species. They will evaluate contemporary welfare assessment methods suitable for employment within the husbandry system and justify recommendations for improvements to animal welfare that could be implemented (Learning outcomes 3 & 4).

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1, 2	In-class test	50
2	3, 4	Written Assignment	50

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. Lectures, seminars, interdisciplinary discussions, and case studies will be utilised to create an engaging and immersive learning environment. This approach will include both synchronous and asynchronous learning.

Indicative Syllabus Outline

Modern use and husbandry of animals e.g companion animals, farm animals, animal exhibits such as zoos or safari parks, college or riding schools, animals for competitive purposes and working animals.

Physical measures of animal welfare – body condition, productivity, immune function, incidence of disease, mortality rate

Physiological measures of animal welfare – autonomic nervous system, heart rate, heart rate variability, catecholamine levels, hypothalamic-pituitary adrenal axis,

Behavioural measures of welfare assessment – monitoring behaviour, alteration of behaviour, stereotypic behaviour, fear reaction, emotional or affective states

Contemporary welfare assessment methods – behavioural recording, physiological measures, preference and motivation tests, cognitive bias tests, use of models such as the five domains model, assessment of affective state

Improving animal welfare – assessment of husbandry systems, assessment of housing, access to turn out in fields, provision of social companionship, provision of enrichment and human animal interaction.

Indicative Bibliography:

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

Essential Reads

Rendle, M. and Hinde-Megarity, J. (Eds) (2022), *BSAVA Manual of Practical Veterinary Welfare*. Gloucs BSAVA.

Other indicative reading

Moberg, G.P. & Mench, J.A. (2000), *The Biology of Animal Stress. Basic principles and implications for animal welfare.* Wallingford: UK CABI Publishing.

Pinillos, R. (ed.) (2018), *One Welfare: A Framework to Improve Animal Welfare and Human Well-Being*. Wallingford: UK CABI Publishing.

Riley, C.B., Cregier, S.E. and Fraser, A.F. (Eds.) (2022), *Fraser's the Behaviour and Welfare of the Horse*. Oxfordshire: CABI.

Journal

Animal Welfare – The Journal of International Welfare Science

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.