

Module specification

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Module Code	ANM531
Module Title	Anatomy and Physiology
Level	5
Credit value	20
Faculty	SLS
HECoS Code	100937
Cost Code	GAAN

Programmes in which module to be offered

Programme title	Is the module core or option for this programme
FdSc Animal Behaviour Welfare and Conservation	Core
BSc (Hons) 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	24hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	6 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	30 hrs
Placement / work based learning	0 hrs
Guided independent study	170 hrs
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 develop the student's knowledge and understanding of animal anatomy and physiology at both a systems and cellular level. This module will cover a range of animal species.

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

1	Examine the key components of animal cells and tissues, and explain their functions
2	Analyse anatomical structures and their location, using correct terminology
3	Appraise the relationship between structure and function of physiological systems of the animal body

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.

1. In-Class Test: (unseen, 1.5 hours – multiple choice questions (MCQ) / short answer questions / problem-based questions)
2. Presentation: Students will produce a group presentation which appraises the relationship between structure and function of a range of organs (15 minutes).

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1 & 2	In-class test	60
2	3	Presentation	40

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. Assessments will take place midpoint and at the end of the module.

Indicative Syllabus Outline

Structures at the cellular level and structures of the body system / location and landmarks / definitions and terminology. To include skeletal system / muscular system / integument / nervous system including senses / cardiovascular system / respiratory system / lymphatic system / endocrine system / digestive system / liver / renal system / reproductive system. Normal physiology at a systems and cellular level. To include; skeletal system / muscular system / integument / nervous system including senses / cardiovascular system / respiratory system / lymphatic system / endocrine system / digestive system / liver / renal system / reproductive system. Homeostasis and the homeostatic regulatory mechanisms in organ systems in health and pathophysiology / body temperature regulation / blood glucose regulation / fluid regulation / blood pressure / waste product concentration.

Indicative Bibliography:

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

Essential Reads

Aspinall, V. and Cappello, M. (2019), *Introduction to Veterinary Anatomy and Physiology Textbook*. 4th ed. Edinburgh: Elsevier.

Other indicative reading

Colville, T. and Bassert, J.M. (2024), *Clinical Anatomy and Physiology for Veterinary Technicians*. 4th ed. Missouri: Elsevier.

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.