Wrexham glyndŵr UNIVERSITY

MODULE SPECIFICATION PROFORMA

Module Title:	**Anatomy and Physiology**	**Level**:	5	**Credit Value:**	20

Module code:	ANM513	**Is this a new module?**	Yes	**Code of module being replaced:**	ANM507

Cost Centre(s):	GAAN	JACS3 **code**:	C120

With effect from:	September 18

School:	Social & Life Sciences	**Module Leader:**	Fernando da Mata

Scheduled learning and teaching hours	50 hrs
Guided independent study	150 hrs
Placement	0
Module duration (total hours)	200 hrs

Programme(s) in which to be offered	Core	Option
FdSc Animal Studies	✓	☐
BSc (Hons) Equine Science and Welfare	✓	☐
BSc (Hons) Animal Science	✓	☐

Pre-requisites
None

Office use only
Initial approval: June 17
APSC approval of modification: *Enter date of approval* Version: 1

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Module Aims
Develop a working knowledge of organs and body systems To relate anatomical structure to function To further develop practical laboratory skills

Intended Learning Outcomes

Key skills for employability

KS1	Written, oral and media communication skills
KS2	Leadership, team working and networking skills
KS3	Opportunity, creativity and problem solving skills
KS4	Information technology skills and digital literacy
KS5	Information management skills
KS6	Research skills
KS7	Intercultural and sustainability skills
KS8	Career management skills
KS9	Learning to learn (managing personal and professional development, self-management)
KS10	Numeracy

At the end of this module, students will be able to		Key Skills	
1	Identify and appraise the relationship between structure and function of organs	KS1	
		KS3	KS4
		KS5	KS6
2	Develop an understanding of the physiological systems of the animal body	KS1	
		KS3	KS4
		KS5	KS6

Transferable skills and other attributes
Group work, practical laboratory skills, research skills, illustrative skills, observational competence.

Derogations
N/A

Indicative Assessment:

Portfolio
Students will be involved in a series of lectures and practical laboratory sessions. They will be required to produce a portfolio which documents the practical skills and knowledge gained during the practical laboratory sessions and demonstrates an understanding of biological systems.

Examination
Unseen

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration (if exam)	Word count (or equivalent if appropriate)
1	1	Portfolio	60		2400
2	2	Examination	40		1600

Learning and Teaching Strategies:
The module will be taught through a series of lectures, seminars and practical laboratory sessions. Laboratory skills, such as microscopy, scientific drawing and dissection will be further developed throughout.

Syllabus outline:

- Skeletal system and function
- Muscles, tendons and ligaments
- Animal locomotion and gait
- Organ systems and function: including Digestive System, Respiratory System, Circulatory system, Urinary system, Nervous system, Reproductive system and Endocrine system
- Dissection and identification of anatomical structures

Bibliography:

Essential reading

Aspinall, V., Cappello, M. (2005) *Introduction to Veterinary Anatomy and Physiology Textbook*. Butterworth-Heinemann, Oxford.

Reece, W.O (2009) *Functional anatomy and physiology of domestic animals*. Wiley-Blackwell, Oxford

Other indicative reading

Allaby, M.A., (2009) A Dictionary of Zoology (Oxford paperback reference) Oxford University Press, Oxford

Moyes, C., Schulte, P. (2007) Principles of Animal Physiology. Pearson Education Ltd, Harlow