PRIFYSGOL glyndŵr UNIVERSITY

MODULE SPECIFICATION FORM

Module Title: Bio-veterinary Science	Level: 5	Credit Value: 20

Module code: (if known) ANM507	Cost Centre: GAAN	JACS2 code: D320
Semester(s) in which to be offered: 1	With effect from: Sept 2013	

Office use only: To be completed by AQSU:	Date approved: August 2013 Date revised: - Version no: 1

Existing/New: New	Title of module being replaced (if any): Animal and Human Health

Originating Academic Department: Biology and Environment	Module Leader: Rosie MacDiarmid

Module duration (total hours)**:	200	Status: core/option/elective (identify programme where appropriate): Core
Scheduled learning & teaching hours:	50	
Independent study hours:	150	
Placement hours	0	

Programme(s) in which to be offered: FdSc Animal Studies BSc (Hons)Equine Science and Welfare Management	Pre-requisites per programme (between levels): NA

Module Aims:

1. Develop a working knowledge of topographical and skeletal anatomy and identify anatomical landmarks
2. Define the principles of animal health
3. Identify the impact of humans on animal health

Expected Learning Outcomes:

At the end of this module, students will be able to:

Knowledge and Understanding:

1) Identify and appraise the structure and function of anatomical regions and landmarks in the live animal
2) Evaluate and discuss the signs of health, disease and injury in animals
3) Critically evaluate the different ways in which humans can have an impact on animal health

Transferable/Key Skills and other attributes:
Practical skills, team work, presentation skills, self-reflection, study skills, time management, research skills.

Assessment:

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting	Duration (eg, if exam or presentation)	Word count (or equivalent if appropriate)
1	1 and 2	Portfolio	60%		2400
2	3	Presentation	40%	15mins	1600

Details of indicative assessment

Practical portfolio	The student will be required to undertake practical work at the college animal unit and related animal establishments as part of the module throughout the year. The student is required to keep a journal which acts as the learners record. The journal will detail evidence of practical competence and experience relating to assessment of health and disease in animals, using photographs, video, workbook assessments and witness statements (learning outcome 2) The portfolio will include a topographical and skeletal anatomy practical assessment (for learning outcome 1)
Presentation	Each student will be required to research a topic they have previously agreed with their tutor, regarding the different ways in which humans can have an impact on animal health. They should summarise their findings in a presentation and discuss the topic with the group, then compile a final report (learning outcome 3)

Learning and Teaching Strategies:

This module will be taught through a series of lectures, seminars, problem based learning sessions, practical sessions and educational visits. Practical situations will be used to underpin learners theoretical knowledge.

Syllabus outline:

- Introduction to bio-veterinary science
- Identification of anatomical regions/landmarks
- Topographical anatomy
- Skeletal anatomy
- Signs of health
- Identification of normal parameters
- Signs of disease and injury
- Causes of disease
- Common disease conditions in domestic animals
- Preventative health care (including vaccination, parasite control and farriery)
- Responsible pet ownership and its impact on animal health and welfare
- Advances in animal health

Bibliography:

Essential reading:
Aspinall, V., and Capello M (eds) (2009) *Introduction to Veterinary Anatomy and Physiology Textbook.* Butterworth Heinmann Elsevier, Edinburgh

Moore, P.H and Hughes, A. (ed) (2007) *BSAVA Manual of Practical Animal Care.* British Small Animal Veterinary Association, London

Williams, J. (ed) 2009 *The Complete Textbook of Animal Health & Welfare*. Saunders Elsevier, Edinburgh

Other indicative reading:
Gardiner, A. (2002) *First Aid for Dogs: An Owners Veterinary Guide.* J.A. Allen, London

McCraken T.O., and Kainer, R.O. (2006) *Sturgeons Colour Atlas of Small animal Anatomy: The Essentials.* Wiley Blackwell, Oxford

McCraken T.O., and Kainer, R.O. (2009) *Colour Atlas of Small animal Anatomy: The Essentials.* Wiley Blackwell, Oxford

Raynor, M., 2009. *The Horse Anatomy Workbook*. Robert Hale, London.

Reference will be made to scientific articles from journals such as

- The Vet Record
- The Vet Times
- Equine Health