PRIFYSGOL glyndŵr UNIVERSITY

MODULE SPECIFICATION FORM

Module Title: Equine Health and Reproduction Management	Level: 6	Credit Value: 20

Module code: ANM605 (if known)	Cost Centre: GAAN	JACS2 code: D740
Semester(s) in which to be offered: 1	With effect from: Sept 2013	

Office use only: To be completed by AQSU:	Date approved: Date revised: Version no:

Existing/New: New	Title of module being replaced (if any):

Originating Academic area: 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: BSc Equine Science and Welfare Management	Pre-requisites per programme (between levels):

Module Aims:

1) To explore common equine disease processes, their aetiology, pathophysiology, treatment and management.
2) To provide an introduction to the anatomy and physiology of reproduction in the mare and stallion.
3) To investigate the effect of modern reproductive techniques on reproductive success.

Expected Learning Outcomes:

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

Knowledge and Understanding:

1) Critically examine a range of common equine diseases, their causal factors, suitable preventative treatments and likely management techniques
2) Critique the factors affecting fertility and reproductive success in the mare and stallion
3) Critique modern reproductive techniques

Transferable/Key Skills and other attributes:

Study skills, writing skills, presentation skills, ICT skills, independent working and communication skills, 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	Report	40%		1600
2	2	In-class test	25%		1000 word equivalent
3	3	Poster	35%		1400 word equivalent

Details of indicative assessment

Report (Learning outcome 1)	Students will investigate an equine disease previously agreed with the tutor and compile a report which includes signs, aetiology, pathophysiology, treatment and management of the condition. They should critically evaluate the effectiveness of management techniques and treatment options.
In-class test (Learning outcome 2)	Students will answer a series of multiple choice and short answer questions relating to reproductive anatomy, physiology and fertility in the mare and stallion

Poster (Learning outcome 3)	Students will create a poster which critiques current and prospective reproductive methods and the effectiveness of modern reproductive techniques.

Learning and Teaching Strategies:

This module will be delivered through formal lectures, tutorials, seminar sessions, study days and site visits. Practical sessions and laboratory work will be used where appropriate. Students will be encouraged to read round the subject and discuss this material during tutorial sessions.

Syllabus outline:

- Routine health care and its application in disease prevention
- Pathophysiology of common equine disease processes to include
  - Laminitis
  - Colic
  - Equine Metabolic Syndrome/Cushings disease
  - Tetanus
  - Influenza
  - Strangles
  - Parasitic disease
- Emerging equine diseases
- Anatomy and physiology of the reproductive system in the mare and stallion
- Reproductive cycles in the mare and stallion
- Advanced reproductive techniques
- Physiology of pregnancy
- Parturition and neonatal care

Bibliography:

Essential reading:

O'Brien, K. (2007) *Essential Horse Health: A Practical In-Depth Guide to the Most Common Equine Health Problems*. Devon: David &Charles Ltd.

Davies Morel, M.C.G. (2008) *Equine Reproductive Physiology, Breeding and Stud Management*. Oxfordshire: CABI.

Brinsko, S.P., Blanchard,T.L., Varner, D.D., Schumacher,J., Love, C.C,. Hinrichs, K. & Hartman, D. (2019) *Manual of Equine Reproduction 3rd Edition.* Missouri : Mosby Elsevier.

Other indicative reading:

Horace Hayes, M. (2002) *Veterinary Notes for Horse Owners.* London: Ebury Press.

Hastie, P.S., and Ivens, P. (2001) *The BHS Veterinary Manual Second Edition. Shrewsbury:* Kenilworth Publications.

Reference will be made to current research articles in journals such as:

The Equine Veterinary Journal
Journal of Equine Veterinary Science
The Vet Record & In Practice
The Vet Times