uwe hartpury

MODULE CODE:	UIN VGP-20-1	**MODULE VERSION:** 4.3
MODULE TITLE:	PRINCIPLES OF LIVESTOCK PRODUCTION	
LEVEL:	1	
UWE CREDIT RATING:	20	
ECTS CREDIT RATING:	10	
MODULE TYPE:	STANDARD	
OWNING FACULTY:	HARTPURY	
FIELD:	Animal Science	
VALID FROM:	5 September 2008	
DISCONTINUED FROM:		
PRE-REQUISITES:	None	
CO-REQUISITES:	None	
EXCLUDED COMBINATIONS:	UIN XGP-20-1: Principles of Livestock Production	

LEARNING OUTCOMES:

At the end of this module the student should be able to:

A. Knowledge and understanding
1. Describe and compare the anatomy and physiology of the main body systems of a range of animals (A);
2. Identify common diseases of livestock animals (A);
3. Describe reproductive strategies, and outline the mode of inheritance in animals (A);
4. Identify the chemical constituents of foods and the composition of feedstuffs (A);

B. Intellectual skills
1. Discuss the interaction between an animal's behaviour and its environment (B);

C. Subject/professional and practical skills
1. Carry out farm duties to industry standard (B);
2. Describe the symptoms of named notifiable diseases, and measures that must be taken in the event of an outbreak (B);

D. Transferable skills and other attributes
1. Work in a high pressured environment (B);
2. Work as part of a team (B);
3. Communicate effectively with employers (B);

SYLLABUS OUTLINE:

Anatomy and physiology of the main body systems of a range of animals: relation of scientific principles to the practice of animal husbandry; identification of areas prone to stress, disease or injury.

The importance of carbohydrate protein, lipid, water, minerals and vitamins in good livestock nutrition; the basic components of a feedstuff

Common diseases of livestock animals and their vectors: identification of the healthy animal; recognition of common diseases; assessment of the need for veterinary assistance; description and evaluation of common prophylaxis; veterinary terminology; causal agents; environmental factors; principles of vaccination and immunity; factors influencing animal health; importance of good animal husbandry.

Reproductive strategies, anatomy, and the basis for inheritance in animals: reproductive anatomy and behaviour; appraisal of breeding problems; inbreeding, line breeding, crossbreeding and hybrid vigour; genetic manipulation and reproductive technology

The interaction between an animal's behaviour and its environment: observation and evaluation of normal, abnormal, aggressive and sexual behaviour;

Notifiable diseases and zoonoses: examples of symptoms, susceptible animals, means of spread, treatment, prevention and control, what to do in the event of an outbreak

Carry out farm duties

TEACHING & LEARNING METHODS:

A variety of learning strategies will be used which may include lectures, tutorials, seminars, practicals, self-directed learning, and e-learning

READING STRATEGY:

Any essential reading will be indicated clearly, along with the method for accessing it, e.g. students may be expected to purchase a set text, be given a study pack, or be referred to texts that are available electronically, etc. This guidance will be available in the module handbook.

Further reading is not essential for ths module, but students will be encouraged to explore at least one of the titles held in the library on this topic. A current list of such titles will be given in the module handbook and revised annually.

Formal opportunities for students to start to develop their library and information skills are provided during the induction period and Workshop, within level 1.

Indicative Reading List

The following list is offered to provide validation panels/accrediting bodies with an indication of the type and level of information students may be expected to consult. As such, its currency may wane during the life span of the module specification. However, as indicated above, CURRENT advice on readings will be available via the module handbook. Students should search for suitbale reference material in the library under Dewey reference numbers 636.08 to 636.3

Blowey, R.W. (Current Edition) *A veterinary book for dairy farmers.* Ipswich: Farming Press.

Coultate, T.P. (Current Edition) *Food: The chemistry of its components.* Cambridge: Royal Society of Chemistry.

Ewbank, R. (Current Edition) *The management and welfare of farm animals: The UFAW handbook.* Wheathampstead: UFAW.

Frandson, R.D., Wilke, W.L. & Fails, A.D. (Current Edition) *Anatomy and physiology of farm animals.* Lippincott Williams & Wilkins

McDonald, P. (Current Edition) *Animal nutrition*. Longman Scientific & Technical.

Reece, W.O. (Current Edition) *Physiology of domestic animals.* Baltimore: Williams & Wilkins.

Ruckebusch, Y., Phaneuf, L-P. & Dunlop, R. (Current Edition) *Physiology of small and large animals.* Philadelphia: BC Decker Inc.

Sharpiro, L.S. (Current Edition) *Introduction to animal science*. NJ: Prentice Hall.

Taylor, R.E. (Current Edition) *Scientific farm animal production: an introduction to animal science.* Pearson Prentice Hall

Webster, J. (Current Edition) *Understanding the dairy cow.* Oxford: Blackwell Scientific Publications.

Websites and databases:

The above sources give an indication of the area of study involved. Although students may be directed to some specific titles, they will also be encouraged to identify other relevant material for themselves.

Module Name **Principles of Livestock Production**
Module Code **UIN VGP-20-1**

ASSESSMENT

In line with the College's commitment to facilitating equal opportunities, a student may apply to the Learning Teaching and Assessment Committee (LTAC) for alternative means of assessment if appropriate. Each application will be considered on an individual basis taking into account learning and assessment needs. For further information regarding this please refer to the Virtual Learning Environment (VLE).

Weighting between components A and B (standard modules only) **A: 25%**
B: 75%

FIRST ATTEMPT
First Assessment Opportunity
Description of assessment elements

Component A	**Type**	**Length**	**Element Weighting**
1	Examination	1 hour	100%
Component B			
1	Assignment	1250 words	50%
2	Farm duties record and attendance report		50%

FIRST ATTEMPT
Second Assessment Opportunity
Further attendance at taught classes is not required
Description of assessment elements

Component A	**Type**	**Length**	**Element Weighting**
1	Examination	1 hour	100%
Component B			
1	Assignment	1250 words	50%
2	Farm duties record and attendance report		50%

SECOND (or subsequent) ATTEMPT
Attendance at taught classes is required for a second or subsequent attempt

Specification confirmed by:

Role: Associate Dean
Date: 05/09/2008