

## MODULE SPECIFICATION FORM

Module Title: Animal Husbandry and Enclosure Design	Level: 4	Credit Value: 20
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Module code: ANM408	Cost Centre: GAAN	JACS2 code: C300
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Semester(s) in which to be offered: 1&2	With effect from: Sept 2013
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<b>Office use only:</b> To be completed by AQSU:	Date approved: August 2013 Date revised: - Version no: 1
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Existing/New: Existing	Title of module being replaced: NA
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Originating Academic Department: Biology and Environment	Module Leader: Rosie MacDiarmid
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Module duration (total hours) 200 Scheduled learning & teaching hours: 50 Independent study hours: 150	Status: Core core/option/elective (identify programme where appropriate):
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Programme(s) in which to be offered: FdSc Animal Studies	Pre-requisites per programme (between levels): NA
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**Module Aims: This module aims to**

- 1) Provide students with knowledge and practical experience of correct husbandry techniques and management procedures for a wide range of captive animal species.
- 2) Investigate, assess and design accommodation (housing and enclosures) for a range of domestic, exotic and zoo animal species.
- 3) Equip students with industry relevant skills and practical competence.

## Expected Learning Outcomes:

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

### Knowledge and Understanding:

- 1) Understand and demonstrate correct animal husbandry techniques for a range of species, to include; small animals, domestic livestock and exotic species
- 2) Design and justify animal accommodation
- 3) Assess and evaluate the care of animals to determine efficacy of husbandry and standards of animal management in practice

### Transferable/Key Skills and other attributes:

Study skills, writing skills, presentation skills, team work, self-reflection, problem solving, time management, ICT skills, skills for work, independent working and communication 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	Practical	40%		1600 word equivalent
2	2&3	Report	60%		2400 words

#### Brief description of indicative assessment

Examination and practical assessment	The student will be assessed on their knowledge and practical competence by demonstrating their ability to identify common breeds/species of captive animal and their purpose (where applicable), handle animals safely and discuss essential husbandry requirements in a practical scenario.
Report	Part A) The student will produce a report that assesses the care and management of a single species within an animal establishment (e.g. College Animal Unit, Welsh Mountain Zoo, Ty Mawr Country Park, North Clwyd Animal Rescue etc) All aspects of husbandry will be considered and evaluated with recommendations for improvement made. Part B) The student will design and justify accommodation for a single animal species (a different species must be used)

### **Learning and Teaching Strategies:**

The module allows the student to develop their knowledge and understanding of animal husbandry and to gain practical experience with a wide range of animal species. Lectures, practical sessions and visits to local animal establishments will enable students to consolidate their practical experiences with appropriate husbandry theories. Use will be made of case study materials and guest speakers where appropriate.

### **Syllabus outline:**

- Practical animal husbandry of small animals, domestic livestock and exotic species
- Handling and restraint
- Feeding and basic nutritional requirements
- Accommodation design considerations
- Cleaning and maintenance
- Health and safety
- Routine health care
- Environmental enrichment
- Reproduction and breeding
- Behavioural issues in captive animal species
- Ethical issues surrounding the keeping of animals in captivity
- Animal Welfare

### **Bibliography:**

#### **Essential reading:**

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

Rees, P.A. (2011) *An Introduction to Zoo Biology and Management*. Wiley-Blackwell, Oxford

Webster, J. (ed) (2011) *Management and Welfare of Farm Animals: The UFAW farm handbook 5<sup>th</sup> edition* Wiley-Blackwell, Oxford.

Young, R.J. (2003) *Environmental Enrichment for captive animals*. Blackwell publishing, Oxford.

#### **Other indicative reading:**

Campbell, J.R, Kenealy M.D & Campbell K.L. (2002) *Animal Sciences – The Biology, Care and Production of Domestic Animals*, 4th edition, McGraw-Hill Higher Education, Boston.

Campbell, K.L & Campbell J.R. (2008) *Companion animals: Their Biology, Care, Welfare and management*. Pearson Prentice Hall, Harlow.

Ekarius, C., (2004) *How to Build Animal Housing: 60 Plans for Coops, Hutches, Barns, Sheds, Pens, Nest Boxes, Feeders, Staunchions and Much More*. Storey Books, North

Adams.

Waran, N.(ed) (2007) *The Welfare of Horses*. Springer Publishing Ltd, New York

Reference will also be made to contemporary research articles from journals and other resources such as:

- Applied Animal Behaviour Science
- Animal Welfare
- British & Irish Association of Zoos and Aquariums <http://www.biaza.org.uk>
- British Veterinary Nursing Association
- Veterinary nursing journal
- Veterinary record
- Veterinary Times
- Association for the study of animal behaviour <http://asab.nottingham.ac.uk/>
- Association of pet behaviour counsellors. <http://www.apbc.org.uk/>
- Pet care trust <http://www.petcare.org.uk>
- Kennel Club <http://www.thekennelclub.org.uk>