

Liverpool John Moores University

Title: ANIMAL WELFARE
Status: Definitive
Code: **6008NATSCI** (101273)
Version Start Date: 01-08-2019

Owning School/Faculty: Natural Sciences & Psychology
Teaching School/Faculty: Natural Sciences & Psychology

Team	Leader
Claudia Mettke-Hofmann	Y
Sally Williamson	
Brian Preston	
Fatima Perez de Heredia	
Serge Wich	
Sheelagh Conlan	
Stephen Broadfoot	

Academic Level: FHEQ6 **Credit Value:** 24 **Total Delivered Hours:** 48
Total Learning Hours: 240 **Private Study:** 192

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	27
Off Site	3
Practical	3
Seminar	6
Tutorial	3
Workshop	4

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	exam	Examination: Interpretative & essay style questions	40	2
Presentation	seminar	Group Problem-based Learning	60	

Category	Short Description	Description	Weighting (%)	Exam Duration
		Seminar presentation		

Aims

To provide knowledge and understanding of the behaviour and welfare of captive animals that can be applied to effective management.

Learning Outcomes

After completing the module the student should be able to:

- 1 critically discuss the application of animal behaviour to the management of animals (wild & domestic) in captivity.
- 2 critically evaluate the use of a range of physical, behavioural and physiological indicators to assess the welfare of captive animals.
- 3 critically evaluate the effect of captivity and management practices on animal behaviour and welfare.
- 4 critically discuss the interrelationships between enclosure design, stress and behaviour.
- 5 use integrative skills to analyse behavioural problems and communicate realistic solutions in written format and via a seminar presentation.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

Exam	1	2	3	4	5
Group PBL seminar	3	5			

Outline Syllabus

Application of animal behaviour to the management of wild (zoo/wildlife park) and domestic (farm) animals in captivity. Introduction to the welfare of captive animals; animal welfare legislation and codes of practice; definitions of welfare. Assessment of welfare: physical (e.g. condition scores), behavioural (e.g. stereotypies, abnormal behaviour) and physiological (e.g. stress hormones, heart rate) indicators of welfare. Welfare and behaviour in relation to nutrition, diseases, and parasite infection.

Enclosure design, use & behaviour: behavioural differences between wild and captive populations of the same species; behavioural problems and possible solutions (e.g. environmental enrichment); effect of group formation, density (e.g. overcrowding) and composition on behaviour. Effect of management regimes and visitors on behaviour.

Introduction to grazing and farm animals in conservation management. Implications

for possible conservation/animal welfare conflicts.

Learning Activities

The module is taught via a series of lectures and workshops supported by web-based material. Small group workshops are used for a problem-based learning exercise. Through enquiry with a tutor and information searches, a range of possible solutions are proposed to a behavioural problem individually (written format) and presented by a small group as a seminar.

Notes

This module explains the importance of behaviour and welfare to the effective management of a range of captive animals (wild & domestic). Behavioural problems are identified and possible methods of solving or ameliorating are considered.