Liverpool John Moores University

Title: ANIMAL BEHAVIOUR AND WELFARE
Status: Definitive
Code: **5009NATSCI**   (101256)
Version Start Date: 01-08-2012

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

Team		Leader
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Academic Level:	FHEQ5	**Credit Value:**	24.00	**Total Delivered Hours:**	54.00
Total Learning Hours:	240	**Private Study:**	186		

Delivery Options
Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	38.000
Practical	6.000
Workshop	8.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	Exam	Examination: short answer, interpretative & problem-based scenario	40.0	2.00
Report	Report	Coursework: practical report	30.0	
Essay	PBL	Coursework: problem-based learning	30.0	

Aims

To provide an introduction to the study of animal behaviour. This will include the application of the study of animal behaviour to the behaviour and welfare of companion animals. The main companion animal considered will be the dog but with examples from a range of others as appropriate.

Learning Outcomes

After completing the module the student should be able to:

1   discuss the role of evolutionary, ecological, physiological, genetic and developmental processes in the generation of animal behaviour.
2   evaluate a wide range of behavioural strategies (survival & reproductive) available to animals and interpret them in terms of appropriate proximate and/or ultimate factors.
3   evaluate a range of issues associated with laboratory & companion animal welfare.
4   explain the theory of animal learning relevant to animal training and behaviour modification and how it can be applied to change behaviour.
5   describe the role of a companion animal behaviour consultant and develop some basic practical skills that can be used to introduce and shape a behaviour using positive reinforcement.

Learning Outcomes of Assessments

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

EXAM	1	2	3	4	5
Learning Report	1	4			
Problem Scenario	3				

Outline Syllabus

Overview of the evolutionary, ecological, physiological, genetic & developmental processes affecting animal behaviour. Proximate & ultimate factors. Introduction to the application of studies in animal behaviour to welfare, husbandry and conservation. Introduction to animal ethics and associated welfare legislation. Measuring behaviour. Concepts in the evolution of behaviour. Development of behaviour. Learning & motivation. Foraging behaviour. Social behaviour. Reproductive behaviour.

Introduction to the behaviour & welfare of companion animals. Domestication. Introduction to sensory perception & communication. The human-animal bond & animal assisted therapy. Common behavioural problems & possible causes. Introduction to animal learning & training. Companion animal welfare issues (e.g. welfare assessment, legislation, training & behavioural modification methods, breeding, housing, nutrition, exercise, transportation). Changing behaviour through classical & operant conditioning. Introduction to the role of a companion animal behaviour consultant. Basic practical skills in dog training.

Learning Activities

The module is delivered via lectures, practicals and workshops supported by web-based material. There is a series of lectures delivered by external companion animal behaviour consultants which focus on the development of practical (dog) training & behaviour modification skills.

References

Course Material	Book
Author	Alcock,J.
Publishing Year	2009
Title	Animal Behavior
Subtitle	an evolutionary approach
Edition	9th edn.
Publisher	Sinauer
ISBN	9780878932252

Course Material	Book
Author	Broom,D.M. & Fraser,A.F.
Publishing Year	2007
Title	Domestic Animal Behaviour & Welfare
Subtitle	
Edition	4th edn.
Publisher	CABI
ISBN	9781845932879

Course Material	Book
Author	Jensen,P.
Publishing Year	2009
Title	The Ethology of Domestic Animals
Subtitle	
Edition	2nd edn.
Publisher	CABI
ISBN	9781845935368

Course Material	Book
Author	Martin,P. & Bateson,P.
Publishing Year	2007
Title	Measuring Behaviour
Subtitle	an introductory guide
Edition	3rd edn.
Publisher	Cambridge University Press

ISBN	9780521535632

Course Material	Book
Author	Webster,J.
Publishing Year	2005
Title	Animal Welfare
Subtitle	limping towards eden
Edition	
Publisher	UFAW Animal Welfare Series, Blackwell
ISBN	9781405118774

Course Material	Book
Author	Bradshaw,J.
Publishing Year	2011
Title	In Defence of Dogs
Subtitle	Why dogs need our understanding
Edition	
Publisher	Allen Lane
ISBN	9781846142956

Notes

This module investigates how evolutionary, ecological, physiological, genetic and developmental processes affect animal behaviour. An introduction to the recording methods, media (hardware) and behavioural analysis software commonly used in observational studies is provided. The module also shows the application of the study of behaviour to the behaviour and welfare of companion animals. The theory behind animal training and behaviour modification is covered alongside the development of some basic practical dog training skills. This module is recommended prior study for Behavioural Ecology 6005NATSCI, Animal Learning & Cognition 6010NATSCI, Behaviour & Welfare of Captive Animals 6008NATSCI & Primate Social Systems 6009NATSCI.