

Module Information

2022.02, Approved

Summary Information

Module Code	6208NATSCI
Formal Module Title	Animal Learning and Cognition
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Biological and Environmental Sciences

Learning Methods

Learning Method Type	Hours
Lecture	18
Practical	11
Seminar	6
Workshop	15

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

Aims and Outcomes

Aims	1) to integrate behaviour, physiology and animal psychology in the study of animal learning and cognition. 2) to interpret animal learning from an ecological and evolutionary perspective.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	critically discuss behavioural, physiological and genetic processes involved in animal learning and cognition
MLO2	2	compare differences in animal learning between species within the wider context of the ecology and evolution
MLO3	3	demonstrate skills in experimental design, execution, analysis and interpretation in relation to animal learning
MLO4	4	critically assess published experimental work on animal learning and cognition and interpret the studies in the context of general concepts in learning and cognition

Module Content

Outline Syllabus	Evolution and genetics of animal learning. The neurophysiological basis of learning. Different types of spatial and social learning. Evolution of memory under different ecological conditions. Complex associations, constraints and biases. Discrimination and classification. Theory of mind and social cognition. Insight learning. Personality traits and cognition.
Module Overview	This module enables you to investigate learning and cognition in animals and link these abilities to the ecological and social environment of an individual and species. Animal learning and cognition is discussed with respect to current (proximate factors) and evolutionary conditions (ultimate factors).
Additional Information	This module investigates learning and cognition in animals and links these abilities to the ecological and social environment of an individual and species. Animal learning and cognition is discussed with respect to current (proximate factors) and evolutionary conditions (ultimate factors).

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	practical report	50	0	MLO1, MLO3
Presentation	group presentation	50	0	MLO2, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Susanne Zajitschek	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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