

Summary Information

Module Code	6501YAUZOO
Formal Module Title	Current Topics in Zoology
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	26
Practical	18
Workshop	24

Module Offering(s)

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

Aims and Outcomes

Aims	This module comprises of three areas of current exciting research focus in Zoology. It aims to educate students about parasites of veterinary and medical relevance. Examples covered will include protozoan parasites, helminth parasites, and ectoparasites, infecting farm animals, companion animals, and humans. This module will also cover the basic principles of neuropharmacology, and how drugs interact with the nervous system in animal systems. The students work in small groups to engage in designing, optimizing and performing their own pharmacology experiments, using planarian flatworms as a model organism. An awareness of the global wildlife crisis will also be taught, covering a range of anthropogenic threats to endangered species, and also what conservation measures may be effective in preventing extinction.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Describe parasite lifecycles.
MLO2	2	Discuss the pathology of parasitic infections and propose appropriate diagnosis and treatment.
MLO3	3	Discuss how drugs interact with the nervous system
MLO4	4	Design and optimise experiments and demonstrate teamwork skills
MLO5	5	Demonstrate awareness of anthropogenic threats to animals and propose effective conservation measures
MLO6	6	Communicate effectively

Module Content

Outline Syllabus	Protozoa, nematodes, trematodes, cestodes, veterinary parasites, medical parasites, antiparasitic drugs, the nervous system, drugs and toxins, invertebrate models, experimental design. Wildlife crisis, anthropogenic threats, endangered species and conservation measures.
Module Overview	
Additional Information	This module will equip students with the skills to diagnose and propose treatment for many common parasitic infections of animals and humans. It will also equip students with pharmacological knowledge and skills in experimental design and teamwork. Students will also gain an awareness global and local wildlife conservation issues.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Exam	Exam	34	2	MLO1, MLO2, MLO6, MLO4
Technology	Poster presentation	32	0	MLO3, MLO6, MLO4
Report	Scientific report	34	0	MLO6, MLO5, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Sally Williamson	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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