Liverpool John Moores University

Title:	PARASITOLOGY
Status:	Definitive
Code:	**6006NATSCI** (101265)
Version Start Date:	01-08-2019
Owning School/Faculty:	Natural Sciences & Psychology
Teaching School/Faculty:	Pharmacy & Biomolecular Sciences

Team	Leader
Alan Gunn	Y
Sally Williamson	
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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	30
Practical	6
Workshop	10

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	exam	Essay questions	40	2
Report	prac rpt	Practical Report	60	

Aims

To familiarise students with some of the most important protozoan, helminth and arthropod parasites of humans and domesticated animals, their biology, treatment and control.

Learning Outcomes

After completing the module the student should be able to:

1 give an account of the nature of host-parasite relationships and explain how parasites interact with other pathogens
2 discuss the importance of parasitic diseases in human and veterinary
3 evaluate how parasites initiate and avoid host immune responses
4 critically evaluate the different strategies to the diagnosis, treatment, and control of parasitic diseases

Learning Outcomes of Assessments

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

EXAM	1	2	3	4
Practical report	1			

Outline Syllabus

Characteristics of interspecific associations; the evolution of host-parasite relationships. The life cycles, transmission and pathogenicity of parasites of humans and domesticated animals. The role of vectors and intermediate hosts in the transmission of parasitic diseases. The interaction of parasites with other pathogens. The initiation and avoidance of host immune responses by parasites. The development of parasite-specific vaccines. The problems and pitfalls associated with the implementation of parasite control strategies. Diagnosis of parasitic infections.

Learning Activities

The module will comprise a series of lectures, workshops, and practicals and is supported by web-based material.

Notes

This module covers the biology, diagnosis, treatment and control of some of the most important protozoan, helminth and arthropod parasites of humans and domestic livestock.