

Liverpool John Moores University

Title: PARASITOLOGY
Status: Definitive
Code: **6212NATSCI** (122559)
Version Start Date: 01-08-2021

Owning School/Faculty: Biological and Environmental Sciences
Teaching School/Faculty: Biological and Environmental Sciences

Team	Leader
Alan Gunn	Y
Gareth Weedall	
Sally Williamson	

Academic Level: FHEQ6
Credit Value: 20
Total Delivered Hours: 50
Total Learning Hours: 200
Private Study: 150

Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	32
Practical	6
Workshop	10

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Report	Practical Report	50	
Exam	Exam	Essay Questions	50	2

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 Discuss the nature of host-parasite relationships and explain how parasites interact with other pathogens
- 2 Critically evaluate why parasitic diseases remain a serious problem in human and veterinary medicine in both developed and developing countries
- 3 Present and critically analyse parasitological data using appropriate statistical techniques
- 4 Critically discuss the mechanisms by which parasites both initiate and avoid the host immune response
- 5 Critically appraise the different strategies for diagnosing and controlling parasitic diseases

Learning Outcomes of Assessments

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

Practical Report	3				
Examination	1	2	4	5	

Outline Syllabus

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.

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.