

## Parasitology

### Module Information

2022.01, Approved

#### Summary Information

Module Code	6212NATSCI
Formal Module Title	Parasitology
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	32
Practical	6
Workshop	10

#### Module Offering(s)

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

#### Aims and Outcomes

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.
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**After completing the module the student should be able to:**

**Learning Outcomes**

Code	Number	Description
MLO1	1	Discuss the nature of host-parasite relationships and explain how parasites interact with other pathogens
MLO2	2	Critically evaluate why parasitic diseases remain a serious problem in human and veterinary medicine in both developed and developing countries
MLO3	3	Present and critically analyse parasitological data using appropriate statistical techniques
MLO4	4	Critically discuss the mechanisms by which parasites both initiate and avoid the host immune response
MLO5	5	Critically appraise the different strategies for diagnosing and controlling parasitic diseases

**Module Content**

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.
Module Overview	This module enables you to study the biology, diagnosis, treatment and control of some of the most important protozoan, helminth and arthropod parasites of humans and domestic livestock.
Additional Information	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.

**Assessments**

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	Practical Report	50	0	MLO3
Centralised Exam	Examination	50	2	MLO1, MLO2, MLO4, MLO5

**Module Contacts**

**Module Leader**

Contact Name	Applies to all offerings	Offerings
Alan Gunn	Yes	N/A

**Partner Module Team**

Contact Name	Applies to all offerings	Offerings
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