

Animals in Motion

Module Information

2022.02, Approved

Summary Information

Module Code	5218NATSCI
Formal Module Title	Animals in Motion
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Biological and Environmental Sciences

Learning Methods

Learning Method Type	Hours
Lecture	33
Off Site	4
Practical	8
Workshop	8

Module Offering(s)

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

Aims and Outcomes

Aims	This module aims to provide a comprehensive background and understanding of animal locomotion and movement. We will investigate the process and mechanisms of motion from its physiological bases through whole animal mechanics, and group level migrations.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Describe and explain anatomical structures and identify their components.
MLO2	2	Synthesise information about varying levels of the mechanics and purposes of locomotion.
MLO3	3	Recognise and discuss the reasons and different ways in which animals move.

Module Content

Outline Syllabus	Physiological bases of movement. Skeletal and muscle anatomy. Swimming, terrestrial locomotion, flight. Means of terrestrial locomotion. Why do animals move? Movement and communication. Movement and feeding. Migration.
Module Overview	This module aims to provide a comprehensive background and understanding of animal locomotion and movement. You will investigate the process and mechanisms of motion from its physiological bases through whole animal mechanics, and group level migrations. This module will investigate animal motion in all its forms and at all scales. You will also study the fundamental physiology and anatomy of movement and use these to explore the full range of animal motion and its purposes.
Additional Information	This module will investigate animal motion in all its forms and at all scales. We will study the fundamental physiology and anatomy of movement and use these to explore the full range of animal motion and its purposes.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Examination	50	2	MLO2, MLO1, MLO3
Report	Practical Report	45	0	MLO2, MLO3
Presentation	Animal Motion workshop	5	0	MLO2, MLO1, MLO3

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Peter Falkingham	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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