

Module Information

2022.01, Approved

Summary Information

Module Code	5206NATSCI
Formal Module Title	Animal Evolution and Diversity
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

Learning Methods

Learning Method Type	Hours
Lecture	29
Practical	21
Workshop	3

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To provide an introduction to the evolution and diversity of the main invertebrate and vertebrate groups, their distribution and coevolution with plants and other animals.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
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MLO1	1	Evaluate the main phylogenetic trends in the evolution of living animals.
MLO2	2	Give an account of the main biological characteristics of the major animal taxonomic groupings.
MLO3	3	Evaluate the techniques by which animals are identified and species relationships determined.
MLO4	4	Discuss broader topics in evolution such as symbiosis, biogeography and camouflage.

Module Content

Outline Syllabus	Rules of zoological nomenclature. The phylogenetic relationship of the major animal groups. Principles of taxonomy and systematics. Use of Big Data for phylogenetics and biogeography. Identification and biology of the major living and fossil groups. Coevolution of animals with other organisms (e.g. symbiotic relationships). The evolution of structures and features. The distribution of animals, both modern and fossil.
Module Overview	This module enables you to examine the diversity of animal life and explore the major trends in their evolution and key features in their biology. It also illustrates how many of them have coevolved in partnership with other organisms.
Additional Information	This modules examines the diversity of animal life, explores the major trends in their evolution, and key features in their biology. It also illustrates how many of them have coevolved in partnership with other organisms.

Assessments

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

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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