Institute for Education, Martin Luther King Road, Pembroke PBK 1990. Tel: +35625982001 | Email: ife@ilearn.edu.mt

BBIO305 Animal Diversity

ECTS Value: 5 ECTS
Total Contact Hours: 25
Self-Study Hours: 75
Assessment Hours: 25

Module Description

This module will focus on the classification of animals and will take an evolutionary perspective throughout the course. It will cover the main phyla of the Kingdom Animalia and will mainly focus on the phyla, which are better represented. . It will cover the main phyla of the Kingdom Animalia including the Porifera, Cnidaria, Platyhelminthes, Nematoda, Annelida, Arthropoda, Mollusca, Echinodermata and Chordata.

Overall Objectives and Outcomes

By the end of this module, the learner will be able to:

Competences

a. illustrate in detail the nature of animal organisms;
b. associate evolution to the development of various structural and physiological forms;
c. develop knowledge on the evolutionary nature of classification.
d. engage critically with literature.

Knowledge

a. recall and develop detailed knowledge of the various phyla which pertain to the animal kingdom;
b. discuss evolutionary significance, functional design, and adaptations to the environment by various animal organisms;
c. consolidate and extend knowledge about the local animal organisms through the use of fieldworks, laboratory sessions and self-study

Skills

a. draw, label and annotate diagrams depicting animal organisms;
b. employ fieldwork techniques during a practical investigation to
c. research and report about one or more animal organism;
d. critically examine the characteristics of the various animal phyla.
e. critically analyse the evolutionary significance of animal characteristics.
f. investigate the characteristics of animal structural adaptations.

Mode of Delivery

This module adopts a blended approach to teaching and learning. Information related to the structure and delivery of the module may be accessed through the IfE Portal. For further details, kindly refer to the Teaching, Learning and Assessment Policy and Procedures found on the Institute for Education's website.

Assessment Methods

This module will be assessed through: Research Assignment and Online Tasks/Reflections.

Suggested Readings

Core Reading List

1. Hickman CP; Roberts, LS; Keen, SL; Larson A and Eisenhour, DJ (2018). Animal diversity. 8th Edition. McGraw Hill.
2. Brusca R., Moore W., Shuster S. (2016). The Invertebrates. UOP, USA.

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