

BIOS 2035 PRINCIPLES OF ZOOLOGY

Legacy Code 300979

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Student Contribution Band

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Identify the Phylum and Class to which any animal belongs, and within certain Classes, identify its Order;
2. Place animal Phyla in an evolutionary sequence, using evidence derived from body architecture, symmetry and internal complexity;
3. Explain reproductive mechanisms and life-cycles of animals in relation to lifestyle and habitat;
4. Characterise each of the major animal Phyla and constituent Classes in terms of their distinguishing features; relate physiological complexity to phylogenetic sequence;
5. Analyse the reasons for the success and diversity of the arthropods and vertebrates;
6. Dissect, identify and describe the function of major internal organs or structures of invertebrates and vertebrates;
7. Analyse and present data and communicate key findings.

Subject Content

1. Porifera & Cnidaria
2. Platyhelminthes, Nematoda & Annelida
3. Mollusca
4. Arthropoda
5. Echinodermata
6. Molluscs
7. Segmented Worms & Pseudocoelomates
8. Arthropods and Echinoderms
9. Lower Chordates & Fishes
10. Amphibians
11. Reptiles
12. Birds
13. Mammals

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Mandatory Group Task
Recorded Presentation (video or audio)	3 mins	35	N	Individual
Quiz	up to 30 mins per quiz	30	N	Individual

Final Exam 2 hours 35 N Individual
- Online multiple choice and open answer questions

Prescribed Texts

- Hickman, CP 2011 Integrated principles of zoology, 15th edn, McGraw-Hill, New York, NY.
- Hickman, CP, Kats, LB & Keen, SL 2011 Laboratory studies in integrated principles of zoology, 15th edn, McGraw Hill Higher Education, Boston.