

Principles of Zoology Syllabus

Meets: TTH 2:00pm-3:15pm SCEN 0101

Instructor: Dr. Erica Westerman

Office: SCEN 416

Office hours: Tues 3:30-4:30pm, Fri 10-11am

Course Goals: Students will learn the basic principles of zoology, and learn how different groups of animals have solved common problems, including, but not limited to: respiration, movement, perception, reproduction, and development. Students will gain a basic understanding of metazoan body plans and life histories, explore comparative zoology, and learn the biology underlying some of the most spectacular zoological oddities known today.

Main Forms of Assessment: 3 midterm exams (20% each), 1 cumulative final exam (20%). Four questions submitted for each of the three review sessions (12 questions total) (10%). Participation in assessment test at beginning and end of course (20%). There will be **no extra credit**, as there are already 10 extra percentage points built into course assessment.

Text: Integrated Principles of Zoology 16th Edition by Hickman, Roberts, Keen, Eisenhour, Larson and l'Anson

General Course Format: TTH lectures

Schedule

Week 1 (8/22-8/24): **T** Introduction to Zoology, discussion of syllabus **TH** Assessment test
Reading: Chapter 1

Week 2 (8/29-8/31): **T** Cells **TH** Genetics
Reading: Chapters 3-5

Week 3 (9/5-9/7): **T** Reproduction **TH** Development
Reading: Chapters 7,8

Week 4 (9/12-9/14): **T** Evolution (questions for review session due by midnight) **F** Review
Reading: Chapter 6

Week 5 (9/19-9/21): **T** Exam **TH** Body Plans and Phylogenies
Reading: Chapter 9,10

Week 6 (9/26-9/28): **T** Sponges and Placazoans **TH** Ctenophores
Reading: Chapters 12,13

Week 7 (10/3-10/5): **T** Cnidarians **TH** Platyhelm/Rotifera
Reading: Chapters 13, 14

Week 8 (10/10-10/12): T Bryozoa & Brachiopoda (review questions due by midnight) TH
Review Session
Reading: Chapter 15

Week 9 (10/17-10/19): T Fall break F Midterm
Reading:

Week 10 (10/24-10/26): T Molluscs TH Annelids
Reading: Chapters 16,17

Week 11 (10/31-11/2): T Nematodes TH Crustaceans (Guest Lecturer, Dr. Tim Sullivan)
Reading: Chapters 18, 20

Week 12 (11/7-11/9): T Hexapods (Insects) TH Midterm
Reading: Chapter 21

Week 13 (11/14-11/16): T Echinoderms TH Hemichordates and Urochordates
Reading: Chapters 22,23

Week 14 (11/21-11/23): T Fish TH Thanksgiving (no class)
Reading: Chapter 24

Week 15 (11/28-11/30): T Terrestrial Vertebrates (review questions due by midnight) TH
Review
Reading: Chapters 27,28

Week 16 (12/5-12/7): T Assessment test TH Zoology, disease, and our changing world
Reading: none

Final Exam: (tentative) Thursday December 14, 1:00pm-3:00pm

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<https://honesty.uark.edu/faculty/index.php>)

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Statement Regarding Note Selling and Distributing

There are companies that will try to lure you into selling the notes you take in this class. Don't let these companies take advantage of you. Selling my notes to any commercial service I will consider a violation of my intellectual property rights and/or copyright law as well as a violation of the U of A's academic integrity policy. Continued enrollment in this class signifies intent to abide by the policy. Any violation will be reported to the Office of Academic Initiatives and Integrity.

Exam make-up policy: If, for some reason, you have an excused absence that coincides with an exam, you need to contact Dr. Westerman to schedule a make-up exam, preferably 1 week prior to your absence, or within 48 hours after your absence. While not guaranteed, it is highly likely that make-up exams will be in essay format.