

Animal Biology (Biology 1110)

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Office Hours: TBA
Office hours by appointment are available and encouraged.
Contacting me by email is best.

Lab Technician: Mrs. Barb Barnes
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Textbooks:

Required Manuals: *Animal Biology Laboratory Manual*. 2015.
Animal Biology Lecture Manual. 2015.

Textbook: *Van DeGraff's Photographic Atlas for the Zoological Laboratory, 7th edition*. 2013. Adams and Crawley. Morton.

If you would like to buy another reference book, I suggest that you purchase one of the following. Used copies are available on the internet at affordable prices.

Zoology. Miller and Harley. McGraw-Hill.
Integrated Principles of Zoology. Hickman et al. McGraw-Hill.

Marking Scheme: Lectures

The lecture component of this course comprises 60% of the overall course grade. There are two midterm tests worth 20% each, but only the midterm with the highest mark will count towards your final grade.

Midterm Test 1	Origins through Nematodes	20%
Midterm Test 2	Molluscs through Introduction to Chordates	20%
Final Exam	Fishes through Mammals	40%

The tests and exams are NOT cumulative.
 The duration of the mid-term tests is 1 hour.
 The duration of the final exam is 2 hours.

If you miss a midterm test due to illness, you must (1) inform me by email within 24 hours of the scheduled test time, and (2) provide a doctor's note within 7 days of the missed test that explains your absence. Otherwise, you will not be able to write a make-up test. Athletes who will miss a midterm test due to out-of-town competitions must provide a letter or email from their coach in advance that clearly shows the dates of their competitions. No other excuses (e.g., vacations, car trouble, sleeping in, or non-university related activities) for missing tests or exams will be accepted.

DO NOT make travel arrangements until after the final exam schedule comes out! There have been years when the Animal Biology final exam was scheduled on the last day of the exam period. I cannot change the date of the final exam.

Marking Scheme: Labs

The lab component of this course comprises 40% of the overall course grade. There are two lab exams worth 15% each. There are 6 lab quizzes worth 10% total; only the best 5 of 6 quiz marks will count towards your final grade.

Lab Exam 1	Based on Labs 1 to 4	15%
Lab Exam 2	Based on Labs 5 to 8	15%
Lab Quizzes	See lab manual for details	10%

The exams are NOT cumulative. See the lab manual for more information about lab quizzes and exams. There are also 3 potential bonus marks that can be earned during the labs. See the lab manual for more information about bonus marks.

Important Dates:

Labs start on the week of January 12.
 Study week occurs from Monday, February 16 to Friday, February 20.
 The final exam will be held during the exam period from April 10 to 23.

SCHEDULE OF LECTURE TOPICS

Please note that the following schedule is subject to slight changes (not in the order of the topics but in the dates on which they will occur).

Jan	7	Introduction to the Course
Jan	9	Origins of Life
Jan	14	Evolution/Classification
Jan	16	Animal Body Plans/Reproduction
Jan	21	Sponges (Porifera)/Radiate Animals (Cnidaria)
Jan	23	Flatworms (Platyhelminthes)
Jan	28	Roundworms (Nematodes)
Jan	30	Molluscs (Mollusca)
Feb	4	Segmented Worms (Annelida)
Feb	6	Test 1 – Origins through Nematodes
Feb	11	Arthropods – Chelicerata
Feb	13	Arthropods – Crustacea/Myriapoda
		Study week
Feb	25	Arthropods – Insects (Hexapoda)
Feb	27	Echinoderms/Introduction to Chordates
Mar	4	Cartilaginous Fishes (Chondrichthyes)
Mar	6	Bony Fishes (Osteichthyes)
Mar	11	Amphibians (Lissamphibia)
Mar	13	Test 2 – Molluscs through Intro to Chordates
Mar	18	Reptiles (Reptilia)
Mar	20	Reptiles (Reptilia)

Mar	25	Birds (Aves)
Mar	27	Birds (Aves)
Apr	1	Mammals (Mammalia)
Apr	3	Good Friday Holiday
Apr	7	Mammals (Mammalia)

SCHEDULE OF LAB TOPICS

Jan	6/8	No lab
Jan	13/15	Reproduction and Development
Jan	20/22	Protista, Porifera, and Cnidaria (Lab Quiz 1)
Jan	27/29	“Worms” and Mollusca (Lab Quiz 2)
Feb	3/5	Arthropoda 1: Chelicerata and Crustacea (Lab Quiz 3)
Feb	10/12	Lab Exam 1 – Labs 1 to 4
		Study Week
Feb	24/26	Arthropoda 2: Myriapoda and Insects
Mar	3/5	Echinodermata and Protochordates (Lab Quiz 4)
Mar	10/12	Chordata 1: “Fish” and Amphibians (Lab Quiz 5)
Mar	17/19	Chordata 2: Reptiles, Birds, and Mammals (Lab Quiz 6)
Mar	24/26	Lab Exam 2 – Labs 5 to 8