

Animal Biology (Biology 1110)

Professor: Dr. Janice M. Hughes
Office: CB 4052 (Centennial Building)
Email: Janice.hughes@lakeheadu.ca

Office Hours: Wednesday 1:15 to 2:15
Office hours by appointment are available and encouraged.
Contacting me by email is best.

Lab Technician: Ms. Emma Lehmberg
Office: CB 3014A
Email: elehmb@lakeheadu.ca

Required Books:

Lecture Notes: *Animal Biology Lecture Manual*. 2017. (download available on the D2L course webpage)

Textbook/Lab Manual: *Exploring Zoology, 2nd edition*. DG Smith and MP Schenk. Morton Publishing. (available in the bookstore)

Marking Scheme: Lectures

The lecture component of this course comprises 60% of the overall course grade. There are two midterm tests on February 8th and March 13th. These tests will be run online through the D2L course webpage. Additional instructions for these tests are available on the D2L course webpage. The final exam is not online, and will occur during the April exam period.

Midterm Test 1	Origins through Nematodes	10%
Midterm Test 2	Molluscs through Introduction to Chordates	15%
Final Exam	Fishes through Mammals	35%

The tests and final exam are not cumulative.

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 5 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, sleeping in, or non-university related activities) for missing tests will be accepted. If you miss the final exam, you must follow the procedures outlined by Enrolment Services (see University Regulations link below) including providing a valid *Certificate of Illness and Incapacity* to Enrolment Services before a make-up exam can be rescheduled.

University Regulations link:

<https://navigator.lakeheadu.ca/Catalog/ViewCatalog.aspx?pageid=viewcatalog&catalogid=23&chapterid=5698&loaduserredits=False>

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 7 lab quizzes worth 10% total; only the best 5 of 7 quiz marks will count towards your final grade. The lab quizzes will be run online through the D2L course webpage.

Lab Exam 1	Based on Labs 1 to 4	15%
Lab Exam 2	Based on Labs 5 to 9	15%
Lab Quizzes	See D2L course webpage for details	10%

The lab exams are not cumulative. See the course webpage for more information about lab quizzes and exams. There are also 3 potential bonus marks that can be earned during the labs. More information about bonus marks will be provided during the labs.

Important Dates:

Labs start on the week of January 17/19.

Study week occurs from Monday, February 20 to Friday, February 24.

Final date to drop the course without academic penalty is March 10.

The final exam will be held during the exam period from April 10 to 23 (Easter holidays excluded).

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.

SCHEDULE OF LECTURE TOPICS

Week of	Jan 9	Introduction to the Course Origins of Life Evolution
Week of	Jan 16	Classification Animal Body Plans Reproduction
Week of	Jan 23	Sponges (Porifera) Radiate Animals (Cnidaria) Flatworms (Platyhelminthes)
Week of	Jan 30	Roundworms (Nematodes) Molluscs (Mollusca)
Week of	Feb 6	Segmented Worms (Annelida) Feb 8: Test 1 (No Lecture Today)
Week of	Feb 13	Arthropods – Chelicerata Arthropods – Crustacea Arthropods – Myriapoda
Week of	Feb 20	Study week
Week of	Feb 27	Arthropods – Insects (Hexapoda) Echinoderms Introduction to Chordates
Week of	Mar 6	Cartilaginous Fishes (Chondrichthyes) Bony Fishes (Osteichthyes)
Week of	Mar 13	Mar 13: Test 2 (No Lecture Today) Amphibians (Lissamphibia)
Week of	Mar 20	Reptiles (Reptilia) Birds (Aves)
Week of	Mar 27	Birds (Aves) Mammals (Mammalia)
Week of	Apr 3	Mammals (Mammalia)

SCHEDULE OF LAB TOPICS

Jan	10/12	No lab
Jan	17/19	Introduction to the Labs/Taxonomy
Jan	24/26	Porifera, Cnidaria, Platyhelminthes, Nematoda (Lab Quiz 1)
Jan/Feb	31/2	Mollusca and Annelida (Lab Quiz 2)
Feb	7/9	Arthropoda 1: Chelicerata and Crustacea (Lab Quiz 3)
Feb	14/16	Lab Exam 1 – Labs 1 to 4
Feb	21/23	Study Week
Feb/Mar	28/2	Arthropoda 2: Myriapoda and Insects
Mar	7/9	Echinodermata and Protochordates (Lab Quiz 4)
Mar	14/16	Fishes (Lab Quiz 5)
Mar	21/23	Amphibians, Reptiles, and Birds (Lab Quiz 6)
Mar	28/30	Mammals (Lab Quiz 7)
Apr	4/6	Lab Exam 2 – Labs 5 to 9