

ANIMAL BIOLOGY (BIOLOGY 1110) LECTURE TOPICS

Please note that the following schedule is subject to change.

Jan	8	Introduction to the Course
Jan	10	Origins of Life
Jan	15	Evolution/Classification
Jan	17	Animal Body Plans/Reproduction
Jan	22	Sponges (Porifera)/Radiate Animals (Cnidaria)
Jan	24	Flatworms (Platyhelminthes)
Jan	29	Roundworms (Nematodes)
Jan	31	Molluscs (Mollusca)
Feb	5	Segmented Worms (Annelida)
Feb	7	Test 1 – Origins through Nematodes
Feb	12	Arthropods – Chelicerata
Feb	14	Arthropods – Crustacea/Myriapoda
Study week		
Feb	26	Arthropods – Insects (Hexapoda)
Feb	28	Echinoderms/Introduction to Chordates
Mar	5	Cartilaginous Fishes (Chondrichthyes)
Mar	7	Bony Fishes (Osteichthyes)
Mar	12	Amphibians (Lissamphibia)
Mar	14	Test 2 – Molluscs through Intro to Chordates

Mar	19	Reptiles (Reptilia)
Mar	21	Reptiles (Reptilia)
Mar	26	Birds (Aves)
Mar	28	Birds (Aves)
Apr	2	Mammals (Mammalia)
Apr	4	Mammals (Mammalia)

The final exam will be held during the exam period from April 7 to 17.

Important dates:

Labs start on the week of January 13.

Midterm Test 1 will be held on Friday, February 7.

Midterm Test 2 will be held on Friday, March 14.

Study week occurs from Monday, February 17 to Friday, February 21.

Other important information:

The duration of the mid-term tests will be 1 hour.

The duration of the final exam will be 2 hours.

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.

Contact Information

Professor: Dr. Janice Hughes
 Office: CB 4052 (Centennial Building)
 Phone: 343-8280
 Email: janice.hughes@lakeheadu.ca

Textbooks

Required: Animal Biology Laboratory Manual. 2014.
Animal Biology Lecture Manual. 2014.

Strongly Suggested: Miller and Harley. Zoology. McGraw-Hill.
 (either one) Hickman et al. Integrated Principles of Zoology. McGraw-Hill.

Suggested: Van DeGraaff and Crawley. 2009. A Photographic Atlas for the Zoology Laboratory. Morton Publishing Co.

Marking Scheme (Lecture Portion Only)

Please note: The lecture component of this course comprises 60% of the overall course grade. The remaining 40% is based on laboratory work. See your lab manual for details. The marking scheme for lecture material is as follows:

Midterm Test 1	Origins through Nematodes	15%
Midterm Test 2	Molluscs through Introduction to Chordates	15%
Final exam	Fishes through Mammals	30%

You are encouraged not to miss any tests! If you miss a test due to illness, you must inform me by phone or email within 24 hours of the scheduled test time. If you do not do so, you may not be eligible to write the make-up test to be held later in the term.

2014 Lab Topics for Biology 1110WA

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Laboratory Topics	Tuesday/Thursday
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Lab 1: Reproduction and Development	Jan. 14/16
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Lab 2 ¹ : Protista, Porifera, and Cnidaria QUIZ 1²: Definitions	Jan. 21/23
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Lab 3 ¹ : "Worms" ³ and Mollusca QUIZ 2²: Draw and Label	Jan. 28/30
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Lab 4 ¹ : Arthropoda I – Chelicerata and Crustacea ³ QUIZ 3²: Classification	Feb. 4/6
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LAB EXAM 1 (based on Labs 1-4)	Feb. 11/13
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STUDY WEEK	Feb. 17-21
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Lab 5 ¹ : Arthropoda II – Myriapoda and Insects	Feb. 25/27
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Lab 6 ¹ : Echinodermata ³ and Protochordates QUIZ 4²: Short Answer	Mar. 4/6
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Lab 7 ¹ : Chordata I ² – Lamprey, Sharks, Bony Fish ³ , and Amphibians ³ QUIZ 5²: True/False (If the answer is false, you have to say why.)	Mar. 11/13
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Lab 8 ¹ : Chordata II ² – Reptiles, Birds, and Mammals ³ QUIZ 6²: Lab Exam Type Questions (Based on Labs 5, 6 and 7)	Mar. 18/20
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LAB EXAM 2 (based on Labs 5-8)	Mar. 25/27
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1. This lab will be marked for participation and bonus marks.
2. There are 6 quizzes but only the best 5 will count towards your final mark.
3. There will be specimens to dissect.