

SAMPLE COURSE OUTLINE

Creation date: Jan 10, 2020

Revision date: Jan 10, 2020

Course Code, Number, and Title:

BIOL 2450: Invertebrate Biology

Course Format:

[Course format may vary by instructor. The typical course format would be:]

Lecture 4.0 h + Lab 3.0 h

Credits: 3

Transfer Credit: For information, visit bctransferguide.ca

Course Description, Prerequisites, Corequisites:

Invertebrates dominate the animal life of the planet. In sheer numbers, and in diversity, they have found unprecedented success in the oceans, on the land, and in fresh water. The total number of species can only be estimated but may be as high as 10 million. New species are being discovered constantly, and even a previously unknown phylum of animals has been described within the last twenty years. Biology 2450 offers a tour of the invertebrates, including their origins, classification, anatomy, and ecology. After taking this course, you will have a whole new appreciation of the creatures that you will encounter during a walk through the woods or along a beach, or during a dive in the ocean. You will also gain experience in reading and evaluating scientific research articles, preparing and delivering seminars, and organizing information into a review paper.

Prerequisite: a minimum 'C' grade in both BIOL 1115 and BIOL 1215

Corequisite: BIOL 2105

Learning Outcomes:

After the successful completion of Biology 2450, students should be able to:

- identify and describe the distinguishing features of the major taxa of animals (see the next page), and explain the evolutionary connections between these groups,
- describe and compare the different ways in which animals have solved the problems of exchange with the environment, reproduction, collecting and processing information, dispersal, and avoiding predation,
- demonstrate the laboratory skills needed to study the external and internal anatomy of animals,
- use a basic dichotomous key,
- search the scientific research literature and discern reliable information sources,

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- write a correctly cited scientific review paper and create and deliver a professional meeting-style seminar.

Instructor(s): TBA

Office: TBA

Phone: (604) 323-XXXX

Email: TBA

Office Hours: TBA

Textbook and Course Materials:

[Textbook selection may vary by instructor. An example of texts and course materials for this course might be:]

Biology of the Invertebrates by J. A. Pechenik
Biology 2450 Laboratory Manual

For textbook information, visit https://mycampusstore.langara.bc.ca/buy_courselisting.asp?selTerm=3|8

Note: *This course may use an electronic (online) instructional resource that is located outside of Canada for mandatory graded class work. You may be required to enter personal information, such as your name and email address, to log in to this resource. This means that your personal information could be stored on servers located outside of Canada and may be accessed by U.S. authorities, subject to federal laws. Where possible, you may log in with an email pseudonym as long as you provide the pseudonym to me so I can identify you when reviewing your class work.*

Assessments and Weighting:

(An example of assessments might be:) %

Midterm 1: 15%

Midterm 2: 15%

Project: 15%

Lab: 30%

Final Exam: 25%

Grading System: Letter grade

Specific grading schemes will be detailed in each course section outline.

Information unavailable, please consult Department for details

Topics Covered:

[Topics covered may vary by instructor. An example of topics covered might be:]

Information unavailable, please consult Department for details

As a student at Langara, you are responsible for familiarizing yourself and complying with the following policies:

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College Policies:

[E1003 - Student Code of Conduct](#)

[F1004 - Code of Academic Conduct](#)

[E2008 - Academic Standing - Academic Probation and Academic Suspension](#)

[E2006 - Appeal of Final Grade](#)

[F1002 - Concerns about Instruction](#)

[E2011 - Withdrawal from Courses](#)

Departmental/Course Policies:

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