

# BIOLOGY 150A ó MODERN BIOLOGY

Fall 2022

Department of Biology, University of Victoria

## Course Description

An introduction to biological science, discussing the diversity of organisms and the evolutionary and ecological principles underlying this diversity. Topics include the history of life, genetics, mechanisms of evolution, biological diversity, and the ecology of communities and ecosystems.

## Meetings

Section A01 (CRN 10320): TWF 9:30 – 10:20 AM, MacLaurin A144 (David Lam Auditorium)

Section A02 (CRN 10321): TWF 1:30 – 2:20 PM, Engineering and Computer Science 123

## Instructors

Dr. Greg Beaulieu (September – October): history of life; cell cycle; genetics; evolution; diversity of prokaryotes, protists, plants, fungi

office: 006 Petch

phone: 250-721-7140

email: gregoryb@uvic.ca. If you send an email, put "Biology 150A" in the message line.

Office hours: Wednesday, 10:30 AM – 12:00 noon, or by appointment, or drop by.

Dr. Beaulieu will be serving as **course coordinator**, so if you have any course business or other issues, he is the person to see. If you have a question about Dr. Neal's content specifically, however, you should contact him.

Dr. Benjamin Neal (October – December): animal diversity; ecology

office: 009 Petch

email: benjaminpneal@uvic.ca. Please put "Biology 150A" in the message line.

Office hours: Thursday 9:30-11:00, or by appointment.

Bear in mind that we each have our own way of teaching, and there might be differences in how each of us rolls out his material. But we have some important things in common: both of us love biology, both of us have had a lifelong involvement with it, and both of us hope to transmit to you the endless fascination and excitement of the scientific study of life.

## Text

*Campbell Biology – Concepts and Connections*, Tenth edition.

The publisher of your text (Pearson) has gone almost entirely digital this year. Here are your choices:

Purchasing options through the UVic Bookstore –

- etext, 180-day access – isbn# 9780136538981, \$59.99.

Consider this option if you plan to take only Biology 150A, but not Biology 150B in January

- lifetime etext access - isbn# 9780136539391, \$89.99.

This would be for students who wish to take Biology 150B in January or at some later date.

- Mastering platform with e-text, access for 18 months – isbn#9780136538820, \$95.00

### Course Website

Biology 150A has a Brightspace website. There you will find lecture notes, notices, marks, links and items of business.

You should look on the website before each class and bring the lecture notes posted there. The lecture notes we post are skeletal notes only, and you should expand upon them during class.

Please be aware that the lecture notes we post are for personal use only and must not be published, distributed, sold or posted anywhere else.

### Class Conduct

We ask you to be mindful of where you are, and to treat the people around you with respect and courtesy. Talking in class, texting and surfing are all irksome to students sitting nearby and to the instructor. Please turn your cell phones and all social media sites OFF during class time.

Focusing on the lecture instead of being distracted by the internet will help you to be successful in this course and in all your other courses.

### Make friends

It can be helpful if you know someone in the class, because you can arrange to get expanded notes in case you miss a class, and you can lend that person your notes when needed.

### Evaluation Summary ó Dates and Numbers

Midterm 1 (Tuesday, October 4)	25% of course grade (Dr. Beaulieu's material only)
Midterm 2 (Friday, November 4)	25% of course grade (Dr. Beaulieu





Friday, November 11	Remembrance Day
Monday, December 5	Last day of classes
Wednesday, December 7	First day of final exam period
Wednesday, December 21	Last day of final exam period
Saturday, January 7, 2023	Deferred final exam, 10:00 AM – 1:00 PM, Bob Wright B150

Instructors, Lecture Topics and Readings

as the Student Wellness Centre.

- Vaccination: Vaccination remains the most effective means of protection against COVID-19. We encourage you to get your booster dose when you are eligible. In BC, booster doses are being offered to everyone 12+ in the fall: <https://www2.gov.bc.ca/gov/content/covid-19/vaccine/booster>
- Daily health assessment: Do a daily health assessment. If you're sick, stay home and follow public health guidelines. <https://www.uvic.ca/covid19/health-safety/index.php#ipn-if-you-re-sick>
- Rapid tests: Free rapid test kits are available at the UVic Bookstore and Campus Security Services for students, faculty and staff.

Additional campus safety measures

- Campus building ventilation meets WorkSafeBC requirements: <https://www.uvic.ca/ohse/covid19/building-ventilation/index.php>
- Hand sanitizer is available at all main building entrances.

UVic continues to follow all public health orders and the health and safety measures required by the Provincial Health Officer, including the public health guidance developed specifically for post-secondary institutions by the BC Centre for Disease Control. We continue to monitor and prepare for any changes that may occur as a result of COVID-19.

Please visit the COVID-19 website for more details and to learn about any updates on UVic's response to COVID-19: <https://www.uvic.ca/covid19/>

Thank you for supporting one another and for everything you do to keep our campus community healthy and safe.

**Territorial Acknowledgement**  
We acknowledge