



**University
of Victoria**

**BIOL 150B – MODERN BIOLOGY
Section 02 – SPRING 2021**

Instructor: Dr. Janaina Brusco

Email: jbrusco@uvic.ca

Office: Zoom link found on Brightspace

Office hours: Fridays, 11am-12pm

Teaching Assistant: Malcolm Cowan

Office hours: Tuesdays and Wednesdays, 3-4pm

Course description: An introduction to biological science, emphasizing cellular and physiological processes. Topics include principles of genetics, cell biology, plant physiology and animal physiology.

Textbook: Campbell Biology – Concepts and Connections, Canadian edition.
You will not need digital access to the publisher’s website.

Course Material: Lecture notes will be available before class on Brightspace.
Zoom lectures will be recorded and available on Brightspace for 48h.
Exams will be based on lecture material, but the textbook is recommended to reinforce concepts.

| Evaluation | |
|------------|-----|
| Midterm 1 | 30% |
| Midterm 2 | 35% |
| Final Exam | 35% |

| Letter grade conversion | | | |
|-------------------------|------------|------------|--------------|
| A+ 90-100 | B+ 77-79.5 | C+ 65-69.5 | D 50-59.5 |
| A 85-89.5 | B 73-76.5 | C 60-64.5 | F Under 49.5 |
| A- 80-84.5 | B- 70-72.5 | | |

Course Policies:

- There will be **no deferred or supplemental midterm or final exams**. If you miss the midterm for a documented medical reason, the evaluation breakdown will be adjusted accordingly. Make-up final exams will only be considered if a formal Request for Academic Concession (RAC) is provided. RAC is available from Undergraduate Admissions and Records in the University Centre.
- **The final exam is scheduled by the University.** Do not make any plans for that period until you know your schedule!
- Final grades will be assigned on the basis of UVic’s official grading scale with ‘F’ and ‘N’ as per university regulations.
- The last date for course withdrawal without academic penalty (‘F’) is February 28th.

Course Schedule*

| Week of | Lecture Topic | Chapter |
|---|---|--|
| Jan 11 | Exploring Biology Chemistry of Life | 1 2 |
| Jan 18 | Molecules of Cells | 3 |
| Jan 25 | Cellular Structure Cellular Function | 4 5 |
| Feb 1 | DNA replication, Gene Expression | 10 |
| Feb 8 | Midterm 1 (Feb 09) Cellular Respiration Photosynthesis | Ch. 1, 2, 3, 4, 5, 10 6 7 |
| Feb 15 | Reading Break | |
| Feb 22 | Plant structure, growth, and reproduction Nutrition in plants Animal Structure and Function | 22 23 25 |
| Mar 01 | Digestive System and Nutrition | 26 |
| Mar 08 | Midterm 2 (Mar 05) Respiratory System | Ch. 6, 7, 22, 23, 25, 26 27 |
| Mar 15 | Cardiovascular System Blood and The Urinary System | 28 |
| Mar 22 | Reproduction and Development | 30 |
| Mar 29 | The Immune System | 34 |
| April 05 | The Nervous System | 31 |
| April 15 th - 27 th | Final Exam Period | Ch. 27, 28, 30, 31, 34 |

***The lecture schedule is flexible; various topics may or may not be given on the dates shown above**