



**BIOL 150B – MODERN BIOLOGY
COURSE OUTLINE – SPRING 2020**

Instructor: Dr. Amanda Edworthy **Email:** aedworthy@uvic.ca

Office hours: Tuesday/Friday 12:30–1:30 PM, by appointment, or drop by.

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.

Web Material: The slides for each lecture will be made available before class on the CourseSpaces site. Exams will be based on lecture material, but readings from the text will help reinforce the concepts.

Evaluation	
Midterm 1	20%
Midterm 2	30%
Final Exam	50%

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.
- No electronic devices will be permitted during the midterms and final exam. Please bring a photo ID to both midterm exams and the final exam. During exams, invigilators cannot answer questions. However, if you believe a question has no correct answer, or more than one correct answer, please bring your concerns to the attention of an invigilator as soon as possible after the exam.
- 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 is 29 February 2020.

Course Schedule*

Week of	Lecture Topic	Chapter
06-Jan	Exploring Biology Chemistry of Life	1 2
13-Jan	Cell Compounds Cell Structure	3 4
20-Jan	Cell Function Molecular Genetics	5 10
27-Jan	Gene Expression	11
03-Feb	Midterm 1 (Feb 4) Cellular Respiration Photosynthesis	1-5, 10, 11 6 7
10-Feb	Plant Structure, Growth, Reproduction Nutrition in Plants	22 23
17-Feb	Reading break	
24-Feb	Plant Control Systems Overview of Animal Structure and Function	24 25
02-Mar	Midterm 2 (Mar 3) Nutrition in Animals	6, 7, 22-25 26
09-Mar	Gas Exchange Circulation & Waste Removal	27 28
16-Mar	Hormones & the Endocrine System	29
23-Mar	Animal Reproduction & Development	30
30-Mar	Neurons & Nervous Systems Sensation	31 32
06-Apr	Animal Locomotion	33
13-Apr	Animal Immune Systems	34

*The lecture schedule is flexible, i.e. various topics may or may not be given on the dates shown above