

**Instructor:** Dr. Nathan Lauer  
**Office:** CUN 019

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**Office hours:** TWF 11 AM – 1 PM

**Territory Acknowledgement:** We acknowledge and respect the lək̓ʷəŋən peoples on whose traditional territory the university stands, and the Songhees, Esquimalt and WSÁNEĆ peoples whose historical relationships with the land continue to this day.

**Course Description & Learning Outcomes:** By the end of this course, you will be introduced to the fundamentals of biological science, emphasizing cellular and physiological processes. Topics include the principles of genetics, cell biology, plant physiology and animal physiology.

**Lecture Time & Location:**

Section A01 (CRN 20312): TWF 9:30 – 10:20 AM, Engineering & Comp. Sci. 123

Section A02 (CRN 20313): TWF 1:30 – 2:20 PM, Hickman 105

**E-mail Etiquette:** Please use your @uvic.ca e-mail address and add your respective section ID in the subject line (eg. “Section A01” or “Section A02”).

**Textbook:** Campbell Biology – Concepts and Connections 10<sup>th</sup> edition

Required:

- etext, 180-day access – isbn# 9780136538981 (lifetime access - isbn# 9780136539483)

Optional:

- Mastering Biology platform with e-text, 18-month access – isbn#9780136538820

**Course Material:**

Announcements and lecture materials will be available on Brightspace.

Exams will be based on lecture material, but the textbook is recommended to reinforce concepts.

Exams are not cumulative.

**Course Evaluation and Grading:** Students will be evaluated from two midterms and one final exam in multiple choice format. Both midterms will be written **in person** during the regular class time and room. The final exam will be written **in person** in the McKinnon gym (date TBD). No electronic devices will be permitted during the midterms and final exam.

Evaluation Summary	
Midterm 1 (Feb 3 <sup>rd</sup> , 2023)	35%
Midterm 2 (Mar 14 <sup>th</sup> , 2023)	35%
Final Exam	30%

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:

- Students must abide by UVic academic regulations and observe standards of ‘scholarly integrity.’
- It is the student's responsibility to be familiar with university policies and regulations: <https://www.uvic.ca/registrar/students/policies/index.php>
- Be mindful of where you are and adhere to the standards of professional behavior: <https://www.uvic.ca/services/advising/assets/docs/tri-fac-student-code-of-conduct.pdf>
- Students are expected to treat others with respect and courtesy. Talking, cell phone use, and surfing the web in class are distracting to the learning environment. The instructor can refuse admission to lectures for any student that is disruptive to the respect and productivity of the learning environment.
- **The final exam is scheduled by the University.** Refer to the final exam schedule online: <https://www.uvic.ca/students/academics/final-exams/exam-schedule/index.php>
- The department of biology does not offer supplemental exams. If you miss a **midterm** for a valid reason (eg. illness, accident, personal or family affliction, participating in an important cultural, community, or sporting event), contact the instructor as soon as possible. If you miss the midterm for a documented medical reason, the evaluation breakdown will be adjusted accordingly.
- You are **required** to take the final exam to pass the course. If you miss the **final exam**, a formal Request for Academic Concession must be filed: <https://www.uvic.ca/registrar/students/appeals/acad-concession/index.php>

## Emergencies:

- Consult the UVic homepage or download the ‘UVic SafetyApp’ for campus closures and emergency announcements.
- In the event of a building evacuation, follow the instructions of the officials wearing orange safety vests.
- In the event of an earthquake, make your way to the University playing fields after evacuating the building.

## Academic Resources:

- *Student Enrollment* – Questions regarding enrollment or waitlists can be e-mailed to: [biology.reghelp@uvic.ca](mailto:biology.reghelp@uvic.ca)
- *Student Help Resources* – Resources for support and teaching: <https://teachanywhere.uvic.ca/student-help/>
- *Echo 360 Student guide* – Guide for using Echo360, the video platform used to record lectures: <https://onlineacademiccommunity.uvic.ca/LearnAnywhere/2021/09/08/echo-360-student-guide/>

## Special Resources:

Take care of yourself and maintain a healthy lifestyle by eating well, exercising, getting enough sleep, socializing, and taking some time to relax. This will help you achieve your goals and cope with stress.

- *Student Services* – A comprehensive range of programs and services related to student learning and development: <https://www.uvic.ca/studentaffairs/departments/student-services/index.php>
- *Counselling Services* – Counselling Services offers free professional, confidential, inclusive support to currently registered UVic students: <https://www.uvic.ca/services/counselling/>
- *University Health Services* – UHS provides a full-service primary health clinic for students, as well as coordinates healthy student and campus initiatives: <http://www.uvic.ca/services/health/>
- *Centre for Accessible Learning* – The CAL works with faculty and students to promote educational accessibility for students with disabilities and chronic health conditions. Staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations. Please let your instructor know your specific needs as quickly as possible: <https://www.uvic.ca/services/cal/>

**Course Schedule & Important Dates:** A tentative course schedule and important dates are listed below. A full list of important dates can be found online: <https://www.uvic.ca/calendar/dates/index.php>

<b>January</b>	10-13	Introduction; Ch 1: Biology: Exploring Life; Ch 2: Chemical Basis of Life
	17-20	Ch 3: The Molecules of Cells; Ch 4: A Tour of the Cell
	<b>22</b>	<b>Last day to drop course for 100% fee reduction</b>
	24-27	Ch 4: A Tour of the Cell; Ch 5: The Working Cell
	<b>25</b>	<b>Last day to add class</b>
	31	Ch 10: Molecular Biology of the Gene
<b>February</b>	01	Ch 10: Molecular Biology of the Gene
	<b>03</b>	<b>Midterm 1 (Chapters 1-5;10)</b>
	07-10	Ch 6: How Cells Harvest Chemical Energy; Ch 7: Photosynthesis
	<b>12</b>	<b>Last day to drop course for 50% fee reduction</b>
	14-17	Ch 7: Photosynthesis; Ch 31: Plant Structure, Growth and Reproduction
	<b>21-24</b>	<b>No classes (reading break)</b>
	<b>28</b>	<b>Last day to drop course; Ch 32: Plant Nutrition and Transport</b>
<b>March</b>	01	Ch 32: Plant Nutrition and Transport
	03	Ch 20: Animal Structure and Function
	07-10	Ch 20: Animal Structure and Function; Ch 21: Nutrition and Digestion
	<b>14</b>	<b>Midterm 2 (Chapters 6,7,20,21,31,32)</b>
	15-17	Ch 22: Gas Exchange
	21-24	Ch 23: Circulation; Ch 27: Reproduction and Embryonic Development
	28-31	Ch 27: Reproduction and Embryonic Development; Ch 28: Nervous System
<b>April</b>	04-05	Ch 24: The Immune System
	<b>11-26</b>	<b>Final exam period (Chapters 22-24,27,28)</b>