

## BIOCHEMISTRY 300A A01 – COURSE OUTLINE

We acknowledge and respect the ɫəkʷəŋən peoples on whose traditional territory the university stands and the Songhees, Esquimalt and W̱SÁNEĆ peoples whose historical relationships with the land continue to this day.

**Place:** MacLaurin Building Rm D288  
**Time:** Tuesday, Wednesday, Friday: 10:30 am-12:20 pm  
**Tuesday, Wednesday Office hours 12:30-2:30 pm**  
**Thursday Office hours 2:00-4:00 pm**  
**Text:** Biochemistry by Berg, Tymoczko, Gatto Jr. and Stryer, 9<sup>th</sup> edition (e-text)  
**Instructor:** Dr. Boulanger [mboulang@uvic.ca](mailto:mboulang@uvic.ca)

---

**May 16** Introduction to Biochemistry 300A  
Concepts from chemistry, Chapter 1  
Protein composition and structure, Chapter 2  
Protein folding, Chapter 2  
Exploring proteins and proteomes, Chapter 3  
Exploring evolution and bioinformatics, Chapter 6  
Hemoglobin – portrait of a protein in action, Chapter 7

**May 26** **Midterm exam #1 (2hrs) (35%)**  
  
Enzymes – basic concepts, Chapter 8  
Enzymes – kinetics, Chapter 8  
Enzymes – inhibition, Chapter 8  
Catalytic strategies, Chapter 9  
Regulatory strategies, Chapter 10

**June 9** **Midterm exam #2 (2hrs) (35%)**  
  
Carbohydrates, Chapter 1  
Lipids and cell membranes, Chapter 12  
Membrane channels and pumps, Chapter 13  
Drug development, Chapter 28

**June 23** **Midterm exam #3 (2hrs) (30%)**

**June 27** **Last day of class**

### **Course Structure:**

1. Bioc300A lectures will be delivered *in-person* and will not be recorded
  - a. Attendance and engagement in the classroom is an integral part of the learning process and cannot be substituted with recordings. For this reason, BCMB will no longer provide video recordings of its lectures. It is the responsibility of students who miss lectures to catch up on the material through extra readings, and obtaining notes from fellow students.
2. PPT slides will be posted in advance on Brightspace
3. Exams will be written in-person during regular class time

## UVic Grading Scheme

<b>A<sup>+</sup></b>	90 - 100	<b>B<sup>+</sup></b>	77 - 79	<b>C<sup>+</sup></b>	65 - 69	<b>F</b>	< 50
<b>A</b>	85 - 89	<b>B</b>	73 - 76	<b>C</b>	60 - 64	<b>N **</b>	< 50
<b>A<sup>-</sup></b>	80 - 84	<b>B<sup>-</sup></b>	70 - 72	<b>D</b>	50 - 59		

### \*\* N grades

Students who have completed the following elements will be considered to have completed the course and will be assigned a final grade:

- *3 out of the 3 midterm exams (unless with permission of the instructor)*

Failure to complete one or more of these elements will result in a grade of “N” regardless of the cumulative percentage on other elements of the course. An N is a failing grade, and it factors into a student’s GPA as 0. The maximum percentage that can accompany an N on a student’s transcript is 49.

## **DEPARTMENT INFORMATION AND POLICIES**

1. The Department of Biochemistry and Microbiology upholds and enforces the University’s policies on academic integrity. These policies are described in the current University Calendar. All students are advised to read this section.
2. Cell phones, computers, and other electronic devices must be turned off at all times during live class sessions unless being used for a purpose relevant to the class.
3. No recordings of live lectures are permitted.
4. Course materials, such as notes, problem sheets, quizzes, examinations, example sheets, or review sheets, may not be redistributed without the explicit written permission of the instructor.
5. Students are expected to be available for all exams. Instructors may grant deferrals for midterm examinations for illness, accident, or family affliction. The Department of Biochemistry and Microbiology considers it a breach of academic integrity for a student taking a deferred examination to discuss the exam with classmates. Similarly, students who reveal the contents of an examination to students taking a deferred examination are considered to be in violation of the University of Victoria policy on academic integrity (see current University Calendar).
6. Requests for review/remark of a midterm exam must be made within two days of the exam being returned.
7. Examination papers that have pages removed will not be marked.
8. The instructor reserves the right to use plagiarism detection software or other platforms to assess the integrity of student work.
9. Supplemental exams or assignments will not be offered to students wishing to upgrade their final mark

## ***Centre for Accessible Learning***

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a disability/health consideration that may require accommodations, approach the Centre for Accessible Learning (CAL) as soon as possible in order to assess your specific needs. <https://www.uvic.ca/services/cal/index.php>

## ***Course Experience Survey (CES)***

I value your feedback on this course. Towards the end of term you will have the opportunity to complete a confidential course experience survey (CES) regarding your learning experience. The survey is vital to providing feedback to me regarding the course and my teaching, as well as to help the department improve the overall program for students in the future. When it is time for you to complete the survey, you will receive an email inviting you to do so. If you do not receive an email invitation, you can go directly to your [CES dashboard](#). You will need to use your UVic NetLink ID to access the survey, which can be done on your laptop, tablet or mobile device. I will remind you nearer the time but please be thinking about this important activity.