

**BIOCHEMISTRY 300A A01 – GENERAL BIOCHEMISTRY I**  
**COURSE OUTLINE – Fall 2020**  
**CRN 10306**

***Time and Place:***

This course will be delivered as a combination of live online tutorials and prepared video lectures. Student assessments will be delivered online through Brightspace. Students must sign in with their UVic accounts (yourname@uvic.ca) to access online sessions, course materials, and test materials.

Tuesdays – See dates below. Quizzes open from 11:30 am – 12:20 pm.

Wednesdays – Online weekly tutorial – **mandatory attendance**

(1% penalty for every tutorial missed above three tutorials).

Office hours TBA in Brightspace

***Textbook:***            Biochemistry by Berg, Tymoczko, Gatto, and Stryer, 9<sup>th</sup> edition

***Instructors:***

Dr. Doug Briant

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Dr. Caren Helbing

***email:*** [chelbing@uvic.ca](mailto:chelbing@uvic.ca)

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**D. Briant Material (Sept 9 – Oct 20)**

Introduction to Biochemistry 300A

Bonds and buffers, Chapter 1

Protein composition and structure, Chapter 2

Protein characterization, Chapter 3

Hemoglobin - a model protein, Chapter 7

Enzymes - basic concepts and kinetics, Chapter 8

Drug development, Chapter 28

**Tues, Sept 22    Quiz 1 (10%)**

**Tues, Oct 6      Quiz 2 (10%)**

**Tues, Oct 20    Cumulative Final Exam part 1, 2 hours (30%)**

***This exam will cover all material from D. Briant's section***

**C. Helbing Material (Oct 21 – Dec 02)**

Enzyme catalytic strategies, Chapter 9

Enzyme regulatory strategies, Chapter 10

Carbohydrates, Chapter 11

Lipids and cell membranes, Chapter 12

Membrane channels and pumps, Chapter 13

No online tutorial on Wed, Nov 11 (Reading Break).

**Tues, Nov 3     Quiz 3 (10%)**

**Tues, Nov 24    Quiz 4 (10%)**

**TBD              Cumulative Final Exam part 2, 2 hours (30%)**

***This exam will cover all material from C. Helbing's section***

## GRADING SCHEME

Weight	Date
10% D. Briant quiz 1	<b>Tuesday, September 22</b> 11:30 am – 12:20 pm
10% D. Briant quiz 2	<b>Tuesday, October 6</b> 11:30 am – 12:20 pm
30% D. Briant final exam 1	<b>Tuesday, October 20</b> 8:30 am – 8:30 pm (2 hour timed exam during this time)
10% C. Helbing quiz 3	<b>Tuesday, November 3</b> 11:30 am – 12:20 pm
10% C. Helbing quiz 4	<b>Tuesday, November 24</b> 11:30 am – 12:20 pm
30% C. Helbing final exam 2	<b>TBD</b> Will be administered within the final exam period

Quizzes and exams are “open book”. Students are allowed to use course notes and the textbook. Students are not allowed to work in groups or use materials external to the course including internet resources. Students doing so will be in breach of the university’s academic integrity policy.

### Techniques to be used in assessing performance in the course:

Grading of multiple choice and short answer written quiz and exam questions.

### 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:

- *Final exams 1 & 2*

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 without permission of the instructor. Many online courses will be recorded by the instructor for accessibility for students unable to attend. If you do not wish to be recorded, contact your instructor to determine if alternative arrangements can be made.
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. Although students do not require documentation, students must contact their instructor and BCMB office ([biocmicr@uvic.ca](mailto:biocmicr@uvic.ca)) with the reason for their absence within 48 hours after the midterm exam. The Department will keep a record of the absences. It is the responsibility of the student to ensure all required components are complete, and to arrange deferred exams/assignments with the instructor, which normally should occur within one week of the original exam date.
6. 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). Use of unauthorized electronic devices and accessing the internet and class material during exams is prohibited unless permission is granted by the instructor. Instructors may use Browser Lockdown Software to block access during classes and exams.
7. Deferral of a final exam must be requested with an Academic Concession form and submitted directly to Undergraduate Records. Deferred final exams for fall term courses will be arranged by the instructor. Deferred final exams for spring term courses will be arranged through Undergraduate Records and must be written before the end of the summer term as stipulated in the University Calendar.
8. Requests for review/remark of a midterm exam must be made within one week of the exam being returned.
9. The instructor reserves the right to use plagiarism detection software or other platforms to assess the integrity of student work.
10. Supplemental exams or assignments will not be offered to students wishing to upgrade their final mark.
11. Anonymous participation in online classes is not permitted without written permission of the instructor.

### **Important Note About COVID-related stress**

The current pandemic is placing added stressors- financial, mental, and physical- on everyone. Your wellbeing is of foremost importance. If you are experiencing difficulties coping, the University has resources to help. Reach out to [Counselling Services](#), [The Centre for Academic Communication](#), or [Learning Assistance Program](#), for assistance.

### **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.*