## BIOCHEMISTRY 300A COURSE OUTLINE Term 2022 Fall

**Territorial acknowledgement** - We acknowledge and respect the I k n peoples on whose traditional territory the university stands and the Songhees, Esquimalt and WS7NE peoples whose historical relationships with the land continue to this day

*Inclusivity statement* - this classroom is one where everyone will be treated with respect, and I welcome individuals for all ages, backgrounds, beliefs, ethnicities, genders, gender identities, gender expressions, national origins, religious affiliations, sexual orientations, ability-and other visible and nonvisible differences. All members of this class are expected to contribute to a respectful, welcoming, and inclusive environment for every other member of the class.

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 (, Tc 38.0f9lo(l)-1 t9lo(l)-h1 ot8 (i)-1.1 ot8 (i)Dfo 38.0f9lh(i)Dfo 38.0f(i)-1.1 9 Tc ( )Tj 0.

Office hours: Thursdays 12-1 pm by zoom, link will be provided on brightspace

Student assessments will be delivered in class on the dates below, although all tests will be delivered through Brightspace. Students will have the indicated duration to write the assessment once begun on Brightspace.

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

**Lecture Content:** Each lecture will conform approximately to the organization used in the text. Additional material and examples may be added by the lecturer and will be posted on Brightspace. Readings from the text for each lecture have been assigned and should be read prior to the lecture. Information designed to guide students with the readings is available on Brightspace. **There is no final exam in this course.** 

**Sept 7**<sup>th</sup> Introduction to Biochemistry 300A Bonds and buffers, Chapter 1

Protein composition and structure, Chapter 2

Protein characterization, Chapter 3

Sept 23<sup>rd</sup> Quiz 1 – in class over brightspace (15%)

Exploring Evolution and bioinformatics Chapter 6

Hemoglobin - a model protein, Chapter 7

Enzymes - basic concepts and kinetics, Chapter 8

Oct 11<sup>th</sup> Midterm 1 – in class over brightspace (30%)

Drug development, Chapter 28

Enzyme catalytic strategies, Chapter 9

Enzyme regulatory strategies, Chapter 10

Carbohydrates, Chapter 11

Lipids and cell membranes, Chapter 12

*Nov 18<sup>th</sup>* Midterm 2 – in class over brightspace (30%)

Membrane channels and pumps, Chapter 13

Dec 5<sup>th</sup> Assignment 1 –over brightspace, due 7 days later (Dec 12<sup>th</sup> by 11:59 PM)

(25%)

## Assessments and Grading Scheme:

Sept 23<sup>rd</sup> – Quiz 1 (15%)- Exam to be written in class at the standard time, but will be carried

out online on Brightspace. Students may use the textbook and notes.

Oct 11<sup>th</sup> - Midterm 1 (30%)- Exam to be written in class at the standard time, but will be

- 2. Cell phones, computers, and other electronic devices must be turned off at all times during live class sessions unless being used for the purpose of connecting and engaging with the class.
- 3. No recordings of live lectures are permitted without permission of the instructor. However, many 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. Attendance and engagement in the classroom is an integral part of the learning process and cannot be substituted with recordings. It is at the instructor's sole discretion whether they provide a recording or give permission to students to record a lecture. There is no obligation to do so nor is there any expectations about the quality of the recordings. Nor should students assume a lecture will be recorded as instructors may withdraw access to recordings or permission to record. It is the responsibility of students who miss lectures to catch up in the material through extra readings, and obtaining notes from fellow students. Students who miss several lectures due to illness should contact their instructors to discuss options.
- 4. Students and instructors are expected to assess their health daily and avoid campus if they are ill.
- 5. 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.
- 6. 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) 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.
- 7. 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 an examination are considered to be in violation of the University of Victoria policy on academic integrity (see current University Calendar). Students must abide by UVic academic regulations and observe standards of scholarly integrity (no plagiarism or cheating). Online exams must be taken individually and not with a friend, classmate, or group, nor can you access notes, course materials, the internet, or other resources without the permission of the instructor. You are prohibited from sharing any information about the exam with others. 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.
- 8. **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 or 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.

9. Requests for review/remark of a	midterm exam	must be made v	within one week	of the exam