

**BIOCHEMISTRY 300A A01 – GENERAL BIOCHEMISTRY I  
COURSE OUTLINE – Fall 2014  
CRN 10207**

**Place:** ECS 123  
**Time:** Tuesday, Wednesday, Friday: 11:30 am-12:20 pm  
**Textbook:** Biochemistry by Berg, Tymoczko, and Stryer, 7<sup>th</sup> edition

**Instructor:** Dr. D. Briant  
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office hours to be announced in first lecture.

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**Sept 03** Introduction to Biochemistry 300A  
Bonds and buffers, Chapter 1  
Protein composition and structure, Chapter 2  
Protein characterization, Chapter 3

**Sept 30** **Midterm exam #1 (20%)**  
  
Hemoglobin - a model protein, Chapter 7  
Enzymes - basic concepts and kinetics, Chapter 8

**Oct 28** **Midterm exam #2 (35%)**  
  
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  
Drug development, Chapter 36

**TBD** **Final exam, 2 hours (45%)**

**GRADING SCHEME**

**Evaluation of the tests and weighting:**

Midterm #1	20%
Midterm #2	35%
Final	45%

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

Grading of short answer and long answer exam questions.

### **Conversion of marks to final letter grades:**

The total mark, calculated from the marks on all of the exams according to the weighting scheme above, will be converted to a percentage and then to a letter grade in the following way:

<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:

- *(both midterms and the final exam must be completed)*

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 plagiarism and cheating. 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 unless being used for a purpose relevant to the class (e.g. note taking).
3. Any recordings of lectures may only be performed with written permission of the instructor, and are for personal use only. The instructor retains copyright to such recordings and all lecture materials provided for the class (electronic and otherwise); these materials must not be shared or reposted on the Internet.
4. Students are expected to be present for the midterm and final exams. Instructors may grant deferrals for midterm examinations for illness, accident, or family affliction, and students must provide appropriate documentation 48 hours after the midterm exam. 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). 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.
5. Scan sheets for multiple choice exams (bubble sheets) will not be made available for review. Therefore, in addition to filling in answers on the scan sheet, students should also circle their answers in ink on their exam.
6. Professors may refuse to review/remark exams not written in ink. In addition, requests for review/remark of a midterm exam must be made within three days of the exam being returned. Students are expected to promptly pick up midterm exams after marking has been completed, either in class or from the instructor.
7. Examination papers that have pages removed, or are mutilated will not be marked.