BIOCHEMISTRY 300A A01 – GENERAL BIOCHEMISTRY I
COURSE OUTLINE – Summer 2018
CRN 31045

Time and Place : Tuesday, Wednesday and Friday 10:30 – 12:20, David Turpin **A102**
***Textbook*:** Biochemistry by Berg, Tymoczko, and Stryer, 8th edition

Instructors:

Dr. Doug Briant
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Office hours: Tues,Wed, 2:30 – 3:30

Dr. Jo Hobbs
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Office: Petch 183
Office hours: Tues,Fri, 9:30 – 10:30

D. Briant Material

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
Enzyme catalytic strategies, Chapter 9
Enzyme regulatory strategies, Chapter 10

In-class quizzes on Friday May 18, Friday May 25 and Friday June 01. You will be graded on your top 2 quiz marks (5% total, 2.5% each)

June 05 **Exam #1, 2 hours (45%)**

J. Hobbs Material

June 6 Bioinformatics, Chapter 6
Drug development, Chapter 36

June 8 Guest lecture: Dr. John Brunstein

June 12, 13, 15 Carbohydrates, Chapter 11
Lipids and cell membranes, Chapter 12

June 19 **Quiz (10%)**

June 19, 20, 22 Lipids and cell membranes, Chapter 12
Membrane channels and pumps, Chapter 13
Signal-transduction pathways, Chapter 14

June 26, 27 Signal-transduction pathways, Chapter 14
Lipid- and carbohydrate-based therapeutics

June 29 **Hobbs Final exam (40%)**

GRADING SCHEME

Weight	Date
5% D. Briant in-class quizzes	***Quizzes from top two of three total Friday quizzes:*** May 18, May 25, June 01 (no deferrals will be granted, 1 may be missed without penalty)
45% D. Briant exam	***In class,*** June 05
10% J. Hobbs in-class quiz	***In class,*** June 19
40% J. Hobbs exam	***In class,*** June 29

Techniques to be used in assessing performance in the course:

Grading of short answer and long answer exam questions and in class quizzes.

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:

A^+	90 -100	**B^+**	77 - 79	**C^+**	65 - 69	**F**	< 50
A	85 - 89	**B**	73 - 76	**C**	60 - 64	**N ****	< 50
A^-	80 - 84	**B^-**	70 - 72	**D**	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 exams 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 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 unless being used for a purpose relevant to the class. Students having a cell phone, tablet, or computer on their person during an exam will be assumed to have it for the purpose of cheating.

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. 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 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 deferred exam must be written within five business days of the original 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.

6. Multiple choice scan sheets for machine scoring (bubble sheets) are considered the authentic exam answer paper and will be retained by the department for 1 year.

7. Professors may refuse to review/remark exams not written in indelible ink. In addition, requests for review/remark of a midterm exam must be made within one week 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.

8. Examination papers that have pages removed, or are mutilated will not be marked.