BIOL 225
CRN 31050
Principles of Cell Biology
Summer 2018

Class time and location: TWF 12:30 – 2:20, ECS 108

Instructor: Dr. Doug Briant
　　　Office hours: Tuesday and Wednesday, 2:30 – 3:30
　　　　　　** available at other times by appointment
　　　Room: Petch 182
　　　e-mail: dbriant@uvic.ca

Lab Instructor: Gerry Gourlay
　　　　　laboratory coordinator
　　　　　contact information and hours to be announced in laboratory

Required Materials

Textbook: Becker's World of the Cell, Ninth Edition, Hardin, and Bertoni. *Pearson*, Boston, 2016. ** Note: Corresponding chapters in 8th edition will be provided for lecture notes
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Lab manual: *Biology 225 Principles of Cell Biology, Laboratory Manual*, Summer 2018 (bookstore)

Required lab coat: A lab coat is required for participation in the laboratory exercises.

Important dates and evaluation:

EVALUATION	Date
40% laboratory ***	**based on laboratory components (reports, quizzes, laboratory exam etc.). See lab manual for grading details** ** **final lab exam will be held in class, Friday June 29 **
15% midterm 1	Wednesday, May 23
15% midterm 2	Wednesday, June 06
20% final exam	Wednesday, June 27
10% in class group work (5% each)	Tuesday, May22 and Tuesday, June 05

*** *since the course includes lab work, you are required to achieve satisfactory standing in both parts of the course and thus • you will not receive credit for the course if you fail the laboratory component of the course.*

Topics List:

	topic	chapters
1	rules regulations introductions, introduction	1, 4
2	cell chemistry and biomolecules	2, 3
3	cells and organelles	4,10,11
4	membrane structure, function and chemistry	7
5	diffusion and membrane transport	8
6	Signalling I: synaptic signalling	22 (13 in 8th ed.)
7	cytoplasmic membrane systems	12
8	Signalling II: non-neuronal	23 (14 in 8th ed.)
9	cytoskeletal systems and extracellular matrices	13, 14, 15 (15,16,17 in 8th ed.)
10	cancer	17, 26 (19,24 in 8th ed.)

INFORMATION AND POLICIES

1. The Department of Biology 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. 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 Biology 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. 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 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.

7. 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.

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

<u>Conversion of marks to final letter grades</u>:

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		

** <u>N grades</u>
Students who have completed the following elements will be considered to have completed the course and will be assigned a final grade:

- *(test 1, test 2, final exam and the laboratory component 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

<u>Course Experience Survey (CES)</u>

We value your feedback on this course. Towards the end of term, as in all other courses at UVic, you will have the opportunity to complete an anonymous survey regarding your learning experience (CES). 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. The survey is accessed via MyPage and can be done on your laptop, tablet, or mobile device. We will remind you and provide you with more detailed information nearer the time but please be thinking about this important activity during the course.