

**BIOL 225 sections A01 and A02**  
**CRN 10317 / 10318**  
**Principles of Cell Biology**  
**Fall 2016**

**Class time and location:**

A01: TWF 10:30 – 11:20, Bob Wright Centre B150  
A02: TWF 1:30 – 2:20, David Strong Building C103

**Instructors:**

Dr. Doug Briant

**Office hours:** Tues, Wed, Fri. 2:30-3:30

**Room:** Petch 227

**e-mail:** [dbriant@uvic.ca](mailto:dbriant@uvic.ca)

Kim Curry

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 Benjamin Cummings*, San Francisco, 2016

**MasteringBiology course ID:** MMBBRIANT31405

\*\* This resource is optional. **No grade will be assigned to online work.** If you purchased a new textbook, it will include an access code for MasteringBiology. A separate access code to the website can be purchased through the book store.\*\*

**Lab manual:** *Biology 225 Principles of Cell Biology, Laboratory Manual*, Fall 2016 (bookstore).

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

**Calculator:** Some classes, most laboratory exercises, the midterm test, and the final course exam require the use of a basic scientific calculator that has the following function keys: log, 10<sup>x</sup>, ln, e<sup>x</sup>, y<sup>x</sup> and exp. This type of calculator typically costs about \$10-20 and is available in the UVic bookstore and from many local retailers. Please note the section entitled "*Calculator Restriction*" below. Please bring such a calculator to your classes and laboratories, in addition to the tests and final course examination. It is your responsibility to have a calculator when needed.

<p><b>Calculator Restriction:</b>• A basic scientific calculator is required (please see details in "Required Materials", above) but please note that during both course tests and the final course examination you are <b>not allowed</b> to use a calculator or other device that is programmable or capable of</p> <ul style="list-style-type: none"><li>• storing or retrieving text, formulas, sounds, or images,</li><li>• plotting graphs,</li><li>• communicating with another person or device,</li><li>• performing calculus operations.</li></ul>
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### Tentative Class Schedule:

<b>topic</b>	<b>chapters</b>
1 rules and regulations, introduction to cell biology	1, 4
2 cell chemistry and biomolecules	2, 3
<b>TEST 1, Tuesday, Oct. 04</b>	
3 cells and organelles	4,10,11
4 membrane structure, function and chemistry	7
5 diffusion and membrane transport	8
6 cytoplasmic membrane systems	12
7 Signalling I: synaptic signalling	13
<b>TEST 2, Tuesday, Oct. 25</b>	
8 Signalling II: non-neuronal	14
9 cytoskeletal systems and extracellular matrices	15,16,17
10 cancer	19,24
<b>Final Exam – TBD by registrar</b>	

### Important dates and evaluation:

<b>EVALUATION</b>	<b>Date</b>
40% laboratory ***	<b>based on laboratory components (reports, quizzes, laboratory exam etc.). See lab manual for grading details</b>
12% midterm 1	<b>based on material presented in lecture, non cumulative</b> Tuesday, October 04
12% midterm 2	<b>based on material presented in lecture, non cumulative</b> Tuesday, October 25
30% final exam	<b>cumulative, emphasis on last third of course</b> date TBD by registrar
2.5% group work 1	<b>in class</b> Friday, October 07
2.5% group work 2	<b>in class</b> Friday, October 28
1% news of the week article submission	

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

## **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. 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.

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

<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:

- ***midterm 1, midterm 2, final exam and the laboratory component must be completed to receive a grade other than “N”.***

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

**Course Experience Survey (CES)**

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.