

BIOL 225 A01/A02 (CRN 10378/10379)
Principles of Cell Biology
Fall 2022

Instructors:

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Territorial Acknowledgement:

We acknowledge and respect the Ikwéon peoples on whose traditional territory the university stands and the Songhees, Esquimalt and WSÁNE peoples whose historical relationships with the land continue to this day.

Lecture time and location:

A01: TWF 10:30 – 11:20, Bob Wright Centre BWC150

A02: TWF 1:30 – 2:20, Elliot Building ELL168

Office Hours and Extra Help: I will **NOT** be holding face-to-face meetings in my office. I will be available online via Zoom (link on Brightspace) on Mondays from 1pm – 3pm. Outside of these times I can be reached via email.

Course Delivery: the course will be delivered face-to-face.

Top Hat: this will be required for both the lab and lecture components of the course. More information is available on the course Brightspace site.

Brightspace site: a Brightspace site will be maintained for this course. Some, but not all,

Quizzes and Exams: this will be split into sections for the the Academic Integrity Quiz, Exit Competency Quiz, topic quizzes, midterms and final exam. Online quizzes and midterms will be located here. Midterm and final exam sections will also include practice problems.

Academic Intergrity Quiz: you must score 100% on this quiz before you will be allowed to write any Participation Quizzes or Midterms. This can be found in the Quizzes and Exams section.

Exit Competency Quiz: this is a short online quiz that you must complete before you will be allowed to write the final exam. It will open during the final week of class. It is not open book, and you should not study. It is just to assess the overall cell biology knowledge students have by the end of the course. These exams will not be used in any manner to assess students individually. I will use overall class data to improve my teaching methods.

Laboratory Materials: this section has everything you will need for the laboratory component of the course.

Required Materials

Textbook: Becker's World of the Cell, Tenth Edition, Hardin and Lodolce. *Pearson*, Boston, 2022.

Topics:

topic

Learning Objectives

Topic 1a – Discovery of Cell, a history

LEARNING OBJECTIVES: early experiments surrounding the discovery of cells are introduced. Students will learn about the basic properties of cells.

Topic 1b – Basic properties and strategies of cells

LEARNING OBJECTIVES: the issues surrounding visualization of cells, which are generally smaller than the naked eye can observe, will be introduced. Students will be taught about various microscopic techniques and they will be able to apply this knowledge to decide which type of microscopy will be best suited to a particular application.

Final Exam:

The final will be held in person, with the time and date to be determined by the Registrar.
This is a closed book exam.

EVALUATION

Date

40% laboratory ***

9. Requests for review/remark of a midterm exam must be made within one week of the exam being returned.
10. The instructor reserves the right to use plagiarism detection software or other platforms to assess the integrity of student work.
11. Supplemental exams or assignments will not be offered to students wishing to upgrade their final mark.
12. Anonymous participation in online classes is not permitted without permission of the instructor.

Important note about COVID-related stress

The current pandemic is placing added stressors- financial, mental, and physical- on everyone. Your wellbeing is of foremost importance. If you are experiencing difficulties coping, the University has resources to help. Please reach out to Counselling Services, the Centre for Academic Communication, or Learning Assistance Program for assistance.

Centre for Accessible Learning

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 (CAL) as soon as possible in order to assess your specific needs.

<https://www.uvic.ca/services/cal/index.php>

Course Experience Survey (CES)

We value your feedback on this course. Towards the end of term you will have the opportunity to complete a confidential course experience survey (CES) regarding your learning experience. The survey is vital to providing feedback to us regarding the course and our teaching, as well as to help the department improve the overall program for students in the future. When it is time for you to complete the survey, you will receive an email inviting you to do so. If you do not receive an email invitation, you can go directly to your [CES dashboard](#). You will need to use your UVic NetLink ID to access the survey, which can be done on your laptop, tablet or mobile device. We will remind you nearer the time but please be thinking about this important activity.