

Biology 2382A — Cell Biology Summer Distance 2022

Molecular and structural organization of cells in relation to function. Composition and dynamics of the plasma membrane and membrane-bound compartments in cells. Synthesis and trafficking of proteins. Cytoskeleton and cell motility. Membrane receptors in signal and energy transduction, cell-cell adhesion and recognition. Excitable membranes.

This course, including all testing, is entirely online.

Course content consists primarily of recorded lectures made during the regular offering of the course.

Prerequisites: A minimum mark of 60% in either Biology 1001A or 1201A and a minimum mark of 60% in either Biology 1002B or 1202B; Chemistry 1301A and 1302A/B or designated equivalent courses at another institution.

Instructor: Professor Denis Maxwell
dmaxwell@uwo.ca

Content: Course content (e.g., recorded lectures, notes, outcomes are available on the OWL site).

Textbook: Molecular Cell Biology, 9th Edition, by H. Lodish et al. (MacMillan). An electronic version of this book is available through the bookstore: Check the OWL site for details.

Evaluation: Written assignment: 15% (due Friday, June 17th, 11:59pm)
Midterm Test: 30% Tuesday, May 31st.
Final Exam: 55% Tuesday, June 21st.

Both the midterm and final exam will take place using the online platform Gradescope. More information on this platform will be provided. You do not need a webcam.

Test and Examination

Both the midterm and final exam will be multiple choice using the same format at first-year biology.

Written assignment

For 15% of the course grade, you are to write a review paper. Further details will be posted to the OWL site. The assignment is due on June 17th. A penalty will be assessed for late submissions.

Standard University and Course Policies

Responsibility for checking prerequisites

Unless you have either the prerequisites for this course or written special permission from your Dean to enroll in it, you may be removed from this course and it will be deleted from your record. This decision may not be appealed. You will receive no adjustment to your fees in the event that you are dropped from a course for failing to have the necessary prerequisites.

Academic accommodation

Approval of academic accommodation for any reason (e.g. sickness, bereavement) and for any component of the course can only be made by the Academic Counselling unit of your Dean's Office. Notify them first, but please notify me as well. The university policy regarding accommodation for illness can be found here: [If you are sick](#)

Academic offences

Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, here: [Scholastic Offences](#)

Use of plagiarism-checking software

Your written assignment may be subject to submission for textual similarity review to the commercial plagiarism detection software under license to the University. All papers submitted for such checking will be included as source documents in the reference database for the purpose of detecting plagiarism of papers subsequently submitted to the system. Use of the service is subject to the licensing agreement, currently between The Western Ontario and Turnitin.com (<http://www.turnitin.com>).

Services for students in emotional/mental health distress

Students who are in emotional/mental distress should refer to [Mental Health@Western](#) for a complete list of options about how to obtain help.

Accessibility

Please contact me if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 661-2111 x 82147 for any specific question regarding an accommodation.

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