



Biology 2382A—Cell Biology

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.

: 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.

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Course content (eg, recorded lectures, notes, outcomes) are available on the OWL site.

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.

Written assignment: 15% (due Friday, June 7th, 11:59pm)

Midterm test: 30% (Date TBA)

Final Exam: 55% (Date TBA)

Tests and examinations in this course will be conducted using a remote proctoring service, such as ProctorTrack. By taking this course, you are consenting to the use of this software and acknowledge that you will be required to provide personal information (including some biometric data) and the session will be recorded.

Completion of this course will require you to have a reliable internet connection and a device that meets the technical requirements for this service. Information about the technical requirements are available at the following link: <https://www.proctortrack.com/techrequirements/>

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

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 7th. A penalty will be assessed for late submissions.

Late assignments (without accommodation) will be accepted for 1 week following the due date at a penalty of 10% per day. Late assignments with accommodation will not be penalized during the period of accommodation

Missed Exam Tests will have a make up exam scheduled. Students who are unable to write the make up prior to the release of answers will have their final exam weighed

