**CSB201H1F – MOLECULAR BIOLOGY, BIOTECHNOLOGY AND YOU**

Video Lecture Recordings, 12T

**Lecturers:**

Prof. M. Neumann melody.neumann@utoronto.ca

TBA

**Exclusion:** BIO 130H1, 230H1, 255H1

**Note:** This course counts as a Science Distribution Requirement for students in all years and disciplines; particularly suitable for Humanities and Social Science students. **This course does not count towards CSB programs.**

CSB201H is an online course intended to provide non-science students with an understanding of basic concepts in molecular biology and genetics, with particular emphasis on humans. The course will include an introduction to biotechnology, culminating in an opportunity to explore a multi-dimensional problem (e.g. cancer). Lectures will be delivered via the web and tutorials will require live webinar participation. The final exam will require attendance on the St. George campus.

Our philosophy with CSB201H is to provide a supportive and comfortable space for students to learn about molecular biology, genetics and biotechnology and then to encourage students to apply what they’ve learned to relevant issues that are important to society as a whole.

CSB201H is offered in a fully online format. Recorded lectures will be available via Quercus for students to watch prior to tutorial. Tutorials (online attendance required) will be live and conducted using Blackboard Collaborate, a webinar tool that will permit students to ask questions directly to the instructors or TA. The Collaborate tool also allows the instructor to show additional materials and examples, work through problems or answer student questions, as well as permit students to break off into groups for smaller discussions/group problem sets. The Collaborate tool also has a chat tool for students to ask questions in writing.

You will be able to view most of the course materials using standard tablets/computers and an internet connection (including wireless). However, for the required online tutorials, you require:

* a fast wired connection—wireless will work, but sometimes the audio/visual quality will suffer
* a headset with functioning microphone (nothing fancy—any headset microphone will offer better voice quality than using the microphone off your computer)
* a laptop or desktop computer—tablets and smart phones do not work well with the Collaborate tool
* a place where you can participate orally during your tutorial—We will have the chat tool operational during tutorial, but participation in oral discussions are required

A *tentative* course marking scheme is outlined below:

* Final Exam (held in December exam period): 40%
* Online Lecture Quizzes (individual work): 15%
* Problem Sets (group work): 20%
* Tutorial Participation (individual work): 15%
* Final Group Project (group work): 10%

**You must get 40% or above on the Final Exam to pass the course; otherwise, your final course grade will be no higher than 47%.**

***During the first week of tutorials, we will practice with the Collaborate tool so that everyone feels comfortable (i.e. all work will be for practice during the first week, so anyone having technological issues will not lose marks). Please feel free to e-mail Dr. Melody Neumann with any questions prior to the commencement of classes (******melody.neumann@utoronto.ca******).***

***Please note that the first week of webinar tutorials start Thursday Sept. 5th or Friday Sept. 6th depending on the tutorial you sign up for on ACORN.***