Course Information and Syllabus
BI 322: Cell Biology

Course Goals

What you *want* to learn

In preparing for this class, I was inspired by your comments on the survey/quiz many of you filled out in late March expressing what you would like to learn more about. Whether you wanted to know more about disease and cancer and how drugs are designed to combat them or how the immune system is compromised by stress, we will look at these great questions from a cellular level.

What you *need* to learn

From the survey I learned that this class is made up mostly of students wanting to become either scientists or enter the medical field, therefore another important goal of the class is to work on the necessary skills to think like a doctor or a scientist.

Goal 1: think like a doctor

-Communicate complex cellular processes with clarity, and explain how diseases result when the processes are defective

-Aware of the cutting edge of medicines/treatments

Goal 2: Think like a scientist

-Cultivate a curiosity, understand, and identify questions about a wide variety of cellular processes

-Examine primary literature, brief yourself on the main points of the field, identify question asked, explain the experiments performed, and how the results fit into the author's conclusions.

What you can expect from me:

- Everything in this class is done for a reason. I do not assign busy work. Everything is designed with the intention to A) fulfill the above goals and B) allow you to succeed on the exams.
- Homework will be challenging, so the exam doesn't come as a shock.
- I will provide you with a study guide, that is explicit about what you need to know for the exam, so you can focus your study to the most important aspects.

General Course Information

Instructor	*email*	*office hours*
Amy Connolly	amyc@uoregon.edu	10:30 Thursdays, 316 LISB
GTF		
Ben Armstrong	bea@uoregon.edu	3:00-4:00 Tuesdays, 325 Streisinger (Gazebo)

Email Etiquette:
-I do not check my email in the evenings or weekends, so please plan your questions accordingly.
-When emailing the instructor or GTFs, please include "BI 322" in the subject line. This helps ensure that we will not overlook your email by accident.

Time and Location

Lecture:	242 Gerlinger	T	8:30 am - 9:50am
		Th	8:30 am - 9:50am
Discussions:	5 Klamath	F	10:00am - 10:50am
			11:00am - 11:50am
			12:00am- 12:50am

Website
All class information will be posted on Blackboard.

Required Supplies
iClicker (available in the Duck Store)
A recent edition of a cell biology text book (see below)

Weekly Readings
Weekly readings will be posted to blackboard
Mandatory: Primary literature and reviews should be read prior to discussion. Homework, discussion activities, and tests will require you have read these.

Recommended: You should used the textbook as a way of clarifying the concepts we went through in lecture. The textbook readings will correlate to the lectures, and will be a good way reinforce knowledge and answer your questions.

Textbook
Essential Cell Biology Alberts, Bray, Hopkins, Johnson, Lewis, Raff, Roberts, Walters
4th addition
(other editions are acceptable)

Grading

Exam 1	150
Exam 2	150
Exam 3	150
Homework (6 x 25)	150
Presentation	200
Lecture Participation (5 day)	80
Discussion Participation (20 x 6)	120

You will not be graded on a curve, and so will not be competing with your fellow student. Everyone has the opportunity to succeed in this class.

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
97+	94-96	90-93	87-89	84-86	80-83	77-79	74-76	70-73	67-69	64-66	60-63	59-

Homework

- 7 Assignments, lowest one dropped.
- Homework assignments are posted on Blackboard. The homework assignments should be downloaded, printed, and turned in on time.
- Due dates can be found on the *Overview of Lectures* file on Blackboard (due dates are Thursday at 11:59 PM, but Homework 4 and 7—See .)
- Will post one week prior.
- **Late homework will not be accepted.**

Lecture Participation

We are using iClickers as a way to facilitate classroom participation and discussion. Bring the everyday. You will earn 5 points a day for particpation. You will need to register your iClicker on Blackboard at some point during the first few weeks of class to ensure that your participation is being scored.

You are allowed to missed two absences in lecture without being penalized. Every absence after the first two will result in 5 point subtraction. This is in place for problems with clickers, or needing to be absent for some reason

Discussion Participation

During discussions you will be asked to work in groups, and explain out loud questions and problems relating to either the homework or readings for that day. You should come prepared for the class and ready to talk and contribute. The exams will include questions over the articles you cover in Discussion. So this is a very important part of the course.

There are six mandatory discussion days, the other days are reviews for exams or going over missed exam questions which are not mandatory. If you cannot make a discussion, you MUST make arrangements with Ben in advance.

Exams

There will be three exams: two midterms and one final. Study guides will be posted.

No make-up exams will be given, unless there is a <u>legitimate</u> reason (which includes a <u>serious</u> illness, documented by a note from your physician or a family emergency). Missed exams for any other reason will receive a 0.

Grades will be posted on Blackboard. The final date for adjustments to any grade is one week after the exam or problem set has been returned to the student.

The Final Word on Grades:
You will find that your course instructors work hard to support your learning, and provide multiple opportunities for you to be successful. At the end of the term, when your grade has been calculated, please do not request any opportunities for extra credit, or your grade to be bumped up to the next grade level. No such request will be granted.

Classroom Etiquette
Please arrive on time. Lectures and discussion sections begin promptly on the hour. Please do not leave early, as this is disruptive to everyone. If you have an unusual circumstance and must leave early, please sit near the exit so that you may leave quietly. Please be respectful of your fellow students.

Discussion of Controversial Issues:
In this class, we will be discussing information that may be sensitive to people from all walks of life. As a genetics instructor I feel it is my job to inform you of facts relating to gender, race, disability, sexual orientation and all of the variation that encompasses a wide spectrum of human genetics. The information we discuss is not intended to convince people of any one particular viewpoint.

Discussion of Medical Issues:
In this class, we will be discussing information relating to disease treatment, medicine, genetic testing and gene therapy. As your instructor I can inform you of the various kinds of technology we are either developing or use, but I can not advice you on your own personal choices. I am not a medical doctor. If you are interested in how the things we have talked about may influence you, I would suggest talking to your medical doctor about it.

Inclusiveness
The University of Oregon is working to create inclusive learning environments. Please notify the instructor if there are aspects of the instruction or design of this course that result in barriers to your participation. You may also wish to contact the Accessible Education Center in 164 Oregon Hall at 541.346.1155 or uoaec@uoregon.edu.

Plagiarism & Cheating
Plagiarism and cheating will not be tolerated. You are expected to do your own work on all homework, assignments, and exams. Using another student's iClicker during class constitutes cheating. You are encouraged to discuss ideas with other students and study together, but do not copy anyone else's work, and don't allow anyone else to copy your

work. All students are expected to conform to the student conduct code (see URL below) - students not in compliance will be brought to the attention of the University.

Student Conduct Code
http://www.uoregon.edu/~stl/programs/student_judi_affairs/conduct-code.htm

Inclement Weather

If there is an ice storm, it is possible that we will cancel classes, even if the University remains open. Cancellation notices will be posted on Blackboard.