

BICD 110 - Cell Biology

Summer Session II 2013

Time/Place:

August 5th – September 6th
Monday/Wednesday 2:00-4:50p
Week 1: York 2722
Weeks 2-5: Solis 104

Instructor:

Matt Sternfeld
Biological Sciences, UCSD
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Office hours:

Mondays 11-1p
H&SS 1145LB
858-246-0965

Course Description:

Cell Biology is an upper division course discussing the structure and function of eukaryotic cells. Lectures will cover methods of cell biological research, membrane structure and dynamics, protein synthesis and trafficking, cytoskeleton structure and dynamics, the cell cycle, and specific cellular functions in cancer, neurobiology, and immunology.

Course Textbook:

Molecular Cell Biology (7th Edition, Lodish et al)

Class Web Site:

Postings will be made on TED (<http://ted.ucsd.edu>). All class notices, the syllabus, lecture slides, and problem sets will be posted there. I plan to podcast the course, as well (<http://podcast.ucsd.edu>).

Emailing:

When emailing me, you must put BICD110 in the subject line or your email may not be read promptly. Emails are **NOT** for answering details from lectures. Please come to office hours and discussion sections for questions related to textbooks and lectures. I will try and respond to every email within 24 hours. However, emails get buried, so if you don't hear from me within 24 hours, you may then email me continuously until I respond.

Teaching Assistants and Discussion Sections:

Irene Su Jeen Choi
Ernie Hwaun
Sam Hsien Lai
Jack Po Han Lin
Andre Loyola

email: i3choi@ucsd.edu
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email: p6lin@ucsd.edu
email: aloyola@ucsd.edu

Registration for sections will be online and you will be notified when they are open. The procedure is outlined at: <http://sections.ucsd.edu/overview.shtml>. TAs will go over problem sets and other questions you may have. Problem sets will not be graded, but they will be modeled after exam questions, and some of these questions may be directly copied onto exams.

Grades:

Midterm 1	20%
Midterm 2	25%
Final	40%
iClicker Reading Quizzes	5%
iClicker Discussion Questions	10%

iClickers:

iClickers will be used in this class (iClicker1 or 2 may be used). The first part of lectures will contain reading quizzes for your benefit, ensuring that we can start lectures all with the same basic understanding. Other iClicker discussion questions will occur throughout the lecture and be calculated as participation points only. For **BOTH** iClicker quizzes and discussion questions, only 80% of the questions must be answered in order to get 100% to ensure that if you happened to miss entering your answer, you will not lose points. Furthermore, the lowest 4 grades for both reading quizzes and iClicker discussion questions will be tossed (currently planned: 12 grades for each throughout the class), meaning you can miss two days without having it be reflected in your grade. There are no make-up assessments for missed days or for misplaced, malfunctioning, or forgotten iClickers, but by discarding 20% of the questions and dropping the 4 lowest grades, there are built in protections for all such occurrences.

iClicker use will begin in week 1, but there is no graded work until week 2, which provides time for you to get your clicker, register it on TED, and become accustomed to using it during the first week of class. It is entirely your responsibility to ensure that it is working properly, that it is registered, and is with you during lecture.

The same academic integrity standards apply to clicker assessments as to written assessments during reading quizzes: nothing can be on your desk, your electronic devices must be turned off and put away, and you may not talk with another student or look at another student's answers. ***For both reading quizzes and discussion questions, no other clicker than your own can be used.*** Violation of academic integrity standards, whether on an exam or clicker assessment, will result in academic and non-academic consequences (see "Academic Integrity" section below).

Regrade Policy:

Since TAs are experienced and dedicated instructors, and grading is conducted in close consultation with the lead instructor, grade disputes are infrequent. However, mistakes can be made. As a rule, we will immediately correct clerical errors in grade computation. For issues regarding content, follow the protocol below:

1. Carefully and thoroughly read through your exam and the answer key. Reflect on the differences. Usually the answer key will provide insight into why your answer was marked the way it was. If it doesn't, proceed to step 2.
2. Each question is graded by one specific TA. Only that TA can regrade the question he or she graded. I encourage TAs to stick to their original assessment since it is usually the correct one. If the TA agrees to award more points, he or she can contact me and I will make the necessary adjustments. After a discussion with the TA, most problems will be resolved. If there is still disagreement you may move onto step 3.
3. Within one week of when the exams are given back, I must receive a written regrade request including
a) a complete account, as you understand it, of the TA's explanation for why you received this grade and
b) your evidence-based argument specifically addressing why you think you should have received more points for the question. The written request should be stapled to the original exam and provided to me during my office hours or before/after a lecture.
4. I will then review this petition, meeting with your TA to determine if there is any reasonable justification to move forward. If your request does merit a regrade, I will re-grade your ***entire*** exam, with the possibility of your grade staying the same, being raised or even lowered.

Again, most discrepancies are quickly resolved with steps 1 and 2.

Please be advised that exams will be photocopied before they are returned to you. Thus, do not alter ANYTHING on an exam for which you are submitting for re-grading. Any inconsistencies will be considered a breach in academic honesty and will be grounds for failure of the course.

Exams:

There are two midterms and a final for this course. Yes, the final will be comprehensive, covering the entire course. The final exam must be taken on the specified exam date and time. There will be **NO** make-up exams. For students with an **excused medical** absence (under a medical doctor's consent), a make-up exam will be administered as an oral exam by the instructor.

Grading:

The average of the top 5 scores in the class will be assigned a value of 100%. Any student with a point total of at least 90% of that average will receive a grade of A- or better. A score of 80% is guaranteed a B- and a score of 70% is guaranteed a C-.

Academic Integrity:

The class TAs and I will be working hard to help you learn the concepts pertinent to Cell Biology. We expect your help in achieving these goals. If you cheat, you not only fail yourself (in that you won't have gained critical skills), but you fail UCSD by lowering the expected quality of our undergraduate degrees. I have a personal responsibility to both you and your fellow UCSD students and I take it seriously. I will submit an allegation report on anyone I believe to not be upholding academic integrity. This is processed through UCSD's Academic Integrity Office.

UCSD policies on academic integrity can be read at: <http://www-senate.ucsd.edu/manual/appendices/app2.htm>

Date	Subject	Reading
8/5	1) Microscopy and other techniques	204-205, 400-424 427-430
	2) Biochemistry of the cell and cellular membranes	23-43, 46, 52-55 445-456, 464-469
8/7	3) Membranes: transport across	473-477, 480-485, 489-491 495-499, 502-511
	4) Endocytosis	654-660, 646-648
8/12	5) Secretary Pathway I: Into the ER	577-584, 94-96, 671-672
	6) Secretary Pathway II: ER to Golgi and out	627-651
8/14	7) Midterm I	
	8) Transport into and out of the nucleus	615-621

8/19	9) Signal Transduction I: G-protein coupled receptors	673-681, 687-692 699-713
	10) Signal Transduction II: Effecting gene transcription	721-727, 730-731, 734-741, 731-734
8/21	11) Actin and myosin	773-783, 785-788, 793-795, 797-803
	12) Microtubules and dynein and kinesin	821-848
8/26	13) Midterm II	
	14) Eukaryotic Cell Cycle	873-890, 892-893, 897-898, 923-924
8/28	15) Cancer	906-913, 893-896, 1113-1114, 1118-1143
	16) Neurobiology	1019-1030, 1036-1045
9/2	Labor Day	
9/4	17) Immunology	1059-1071, 1081-1101, 1105-1106
	18) TBD	