

**Syllabus BICD 110 Cell Biology
Fall 2017**

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Office Hours: Monday 4:00-5:00 PM, Stein Clinic Research Building (SCRB), first floor conference room # 148 (go inside of SCRБ through room #146).

Instructional Assistants, Discussion Sections and Office Hours:

TBA on BICD110 Web Site

BICD 110 Web Site: UCSD TED.

Text: Molecular Cell Biology (8th Edition, Lodish et al.) – Optional

Course description:

This is an upper division course on structure and function of eukaryotic cells. Lectures will cover: methods of cell biology research, membrane structure and dynamics, protein synthesis and sorting, cytoskeleton structure and dynamics, cell cycle and cell death, cells in development and disease.

Sept 28: Methods in Cell Biology Research I

Oct 3: Methods in Cell Biology Research II

Oct 5: Membrane Biochemistry

Oct 10: Membrane transport of ions and small molecules

Oct 12: Endocytosis

Oct 17: Secretory Pathway I (ER)

Oct 19: Secretory Pathway II, (ER, Golgi)

Oct 24: Secretory Pathway III (Golgi, Lysosomes), Nucleus

Oct 26: Nucleus Import, Nuclear Export

Oct 31: TBA

Nov 2: Midterm Exam – Mandatory (40%), in class.

Nov 7: Signal Transduction I

Nov 9: Signal Transduction II

Nov 14: Signal Transduction III

Nov 16: Cytoskeleton I

Nov 21: Cytoskeleton II

Nov 23: Holiday

Nov 28: Cytoskeleton III

Nov 30: Cytoskeleton IV

Dec 5: Cell Cycle
Dec 7: Cancer
Dec 12: TBA

Dec 13: Final Exam (60% or 100% if beneficial for the student), TBA.

The grades will be calculated as:

100 ≥ A+
100-91.5% = A
91.5-87.5% = A-
87.5-83% = B+
83-79% = B
79-75% = B-
75-70.5% = C+
70.5-66.5 = C
66.5-62.5% = C-
62.5%-50% = D
50%-0 = F

Exams and Grading:

Midterm (Nov 2, in class) is **mandatory**.

Final (Dec 10, TBA) is **cumulative**.

40% Midterm + 60% Final or 100% Final (if beneficiary for the student)

Makeup Exams:

There will be no makeup exams for the midterm or final exams. **The midterm exam is mandatory** meaning that you need to be present and take the exam in order to qualify for the final exam. The final exam will be 100% of your final grade for being absent for the midterm (documented note for medical or family emergency).

Extra Points:

A participation grade up to 5% will be given for I>Clicker participation in the class (2.5%) and participation in the discussion sections (2.5%).

Re-grade Policy:

Requests for re-grading will be accepted only **within a week after midterm or final exams are graded and returned to students**. A clear written request with your name and student ID number (specify the question number and clearly describe why you think it was wrongly graded) has to be submitted first to your IA and then to me if the problem was not solved. **Exams must be written in pen** or will not be accepted for re-grade.

Policy on Cheating:

Anyone caught cheating (includes cheating on exams or changing an answer for a re-grade) will be reported to the Academic Integrity Office.

Letters of Recommendations Policy:

I will write letters for students who receive an **A or above** in this course. If you think you want me to write a letter for you **please make sure you are active during the class and talk to me during the office hours (ask questions, bring interesting scientific papers connected to the material we are studying)**. This will help me to observe your way of thinking and write a meaningful letter for you.

Opportunities to get to know your Classmates, IAs and the Instructor

I encourage you to take the opportunity to talk to your IAs and to me about any class - or career- related issues. It is always a good idea to connect with your classmates, exchange information or form a study group.