

BILD 1: The Cell

S. Golden W12

GENERAL INFORMATION

Time and Place: Tu Th 6:30-7:50 pm, PETER 110
Instructor: Dr. Susan Golden, 858-246-0658 sgolden@UCSD.edu
Office Hours: Dr. Golden AP&M 4824 Tu 9:30-10:30 am or by appt
TA office hours will be posted on TED

ALL COURSE INFORMATION WILL BE POSTED ON TED: please check the announcements and FAQ sheet on TED frequently, and before emailing your TA or instructor with a question.

REQUIRED TEXT: *Campbell Biology*, 9th Edition, by Reece *et al.*, available at the Price Center Bookstore, bundled with *Mastering Biology*. You can also purchase the text as an ebook. Several copies are also on reserve in the Geisel library. If you choose to use an earlier edition (acceptable, but not recommended), it is your responsibility to check for changes in content. This is a great Biology textbook! Read it like a novel. The book provides rich context that will make the subset of material that is highlighted in the lectures much easier to understand.

REQUIRED RESOURCES: *Mastering Biology*, a web-based resource, available from the textbook publisher (Pearson). i>clicker student response system (either the original i>clicker or i>clicker2).

LECTURE 'NOTES': A pdf of lecture slides will be posted on TED (usually the evening before class), and the lectures will be video podcast. All information will come from *Campbell Biology*, 9th Edition; no additional notes will be provided.

DISCUSSION SECTIONS: Sign up for a Discussion Section at <http://sections.ucsd.edu/>. In order to provide appropriate classroom space and student/TA ratios, enrollment limits are set for each section. I am sorry if you cannot enroll for the section of your choosing. Sections will begin meeting the week of January 16. The Discussion Sections provide an opportunity for you to ask questions of TAs in a small class group and to discuss problem sets. Problem sets must be turned in to your TA during your section to receive full credit. Section changes will be allowed only if space is available and with the consent of the two TAs involved.

PROBLEM SETS and REVIEW SESSIONS: Seven problem sets (A through G) will be posted that quiz you on recent lecture material. Each problem set will be made up of 6-10 questions that are similar to the questions that will appear on the exams. Their purpose is to help you identify how well you have mastered the material. Each problem set is worth 6 points; full credit requires answering all questions (3 points) and providing a correct answer to one question that will be graded by the TAs (3 points). Full credit requires that you turn in your problem set in your section. If you miss section, the set can be turned in to your TA at the next lecture class period, but 2 points will be deducted. TAs will hold review sessions prior to each exam; the date and time of each will be posted on TED.

EXAMS: There will be two Midterms and one Final exam. The **midterms** will cover only new material since the previous exam, whereas the **final** will be comprehensive. The exams will be closed book, multiple-choice tests, and you will submit your answers on scantron sheets for grading. Scantrons will be provided by the instructor—do not bring your own. For the midterms you should *also mark your answers on the exam form, which you may keep for self-grading; a key will be posted after the exam period*. Bring your ID, two number 2 pencils and an eraser, but no other items to the exams; purses, bags, backpacks, and pockets will be inaccessible during the exams, and accessing an electronic device will result in recording a zero for the exam. *All exam grades will count toward the final grade*. If you miss an exam,

you will be assigned a zero unless you supply evidence of an excused absence (your own illness, or the death, hospitalization, or other crisis related to an immediate family member) to the Professor within 2 days of the exam date; a make-up exam will be administered within one week of the exam or 48 h of your return to campus if that is more than a week later. The comprehensive **Final Exam** will be on Tuesday, March 20 from 7:00 – 10:00 pm.

EXAM CHALLENGE: If you feel strongly that the answer key for a midterm has an incorrect answer marked, a second answer should also be accepted, or a question was seriously flawed, you may submit a challenge within 24 h of the exam. I will not grade the scantrons until the challenge period has passed and I have determined whether the key should be changed. A challenge should be submitted by posting the challenge in a thread on the TED class discussion board. You must state the Exam Form and question number in your challenge. Be respectful in your challenge. Challenge emails will not be answered individually; rather, the challenges and my responses will be posted on TED.

UCSD POLICY ON INTEGRITY OF SCHOLARSHIP: You are expected to read and abide by the UCSD POLICY ON INTEGRITY OF SCHOLARSHIP. Breach of policy will result in a failing grade.
<http://students.ucsd.edu/academics/academic-integrity/policy.html>

GRADING POLICY: Your grade will be based on 1000 points:

850 points from exams

100 points from a combination of class participation using the i>Clicker classroom response system and reading quizzes accessed through Mastering Biology (clicker and quiz points can be combined)

42 points from graded problem sets

8 points from an online Chemistry refresher quiz through Mastering Biology

There will be no "extra credit"

Exam questions will be 6 points each, with Midterms 1 & 2 each having 40 questions and the final 62 questions.

The grade scale will be as follows (percent of total points):

97- A+, 93- A, 90- A-

87- B+, 83- B, 80- B-

77- C+, 73- C, 70- C-

55 and above- D

54 and below- F

Any minor changes to the scale that may be applied will benefit all students, not specific individuals. I cannot know in advance if there will be a need for an adjustment, and I will inform you of any adjustment that is made. Please do not ask for any special treatment because you need/want/feel that you deserve a better grade. No exceptions will be granted, and no changes will be made to the final grade that appears on TED unless an error in calculation or recording has been made.

i>CLICKER QUIZZES

The i>Clicker classroom response system will be used to quiz students in class. The purpose of these quizzes is to help you identify concepts you have not fully mastered and to alert me to topics that require additional explanation. Starting with the second week of the quarter, answering 75% of the clicker questions in a class period will earn 6 points (answers do not have to be correct to earn points). Be sure to obtain an i>Clicker and register it, preferably through TED, or online [using your TED username](#).

READING QUIZZES

You can earn up to 6 points per chapter towards your 100 point total by taking a reading quiz through Mastering Biology. Pay attention to due dates; late quizzes won't count.

ADMINISTRATIVE QUESTIONS: See the Biological Sciences Student & Instructional Services office, Pacific Hall, Room 1128, for adding/dropping etc: <http://biology.ucsd.edu/undergrad/contact.html>

Lecture Schedule

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The schedule of topics on a given date may be adjusted, but the exam dates will not change.

Lecture	Date	Topic	Reading	Problem Sets
1	Tu 1/10	Course Introduction ; Chemical Basis of Life	Ch. 1-4	
2	Th 1/12	Carbon Compounds Macromolecules	4/5	A- turn in at section week of Jan 16
3	Tu 1/17	A tour of the Cell	6	
4	Th 1/19	Membranes	7	B- turn in at section week of Jan 23
5	Tu 1/24	Membranes & Metabolism	7/8	
6	Th 1/26	Metabolism	8	C- turn in at section week of Feb 6
	Tu 1/31	MIDTERM 1		
7	Th 2/2	Cellular Respiration	9	
8	Tu 2/7	Respiration/Photosynthesis	9/10	
9	Th 2/9	Photosynthesis	10	D- turn in at section week of Feb 13
10	Tu 2/14	Cell Signaling & Cell Reproduction	11-12	
11	Th 2/16	Cell & Sexual Reproduction	12-13	E- turn in at section week of Feb 20 or at exam
12	Tu 2/21	Mendelian Genetics	14	
	Th 2/23	MIDTERM 2	--	
13	Tu 2/28	Chromosomes & Heredity	15	
14	Th 3/1	Molecular Genetics	16	F- turn in at section week of March 5
15	Tu 3/6	Gene Expression	17	
16	Th 3/8	Gene Regulation	18	G- turn in at section week of March 12
17	Tu 3/13	Biotechnology	20	
18	Th 3/15	Genomes	21	
	Tu 3/20	FINAL EXAM - 7-10 pm	Location: PETER 110	