

Biology 3310: Cell and Molecular Biology

Spring 2017; Section 002

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Office Hours: MW 10-11, or by apt.

Office: N270

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Lecture: MWF 11-12

Prerequisites: BIOL 1050 and 1150 with a C or better, CHEM 1100, and CHEM 1110, or their equivalents.

Required Materials: Becker's World of the Cell, Edition: 8. ISBN: 9780134013305

-Any edition will do...Save your money!

Attendance: Students are expected to attend all lecture sessions. Please arrive in a timely manner. Poor attendance is highly correlated with a less than optimal final grade. Please limit getting up during lecture to emergencies only, young people **should** be able to make it 50 minutes without having to rush to the restroom ☺

Blackboard: Course materials will be available using blackboard. Lecture slides will be posted as a pdf file FOLLOWING each lecture session.

Exams: There will be four 100-point midterm exams and a cumulative final that will attempt to tie the material from the entire semester together and reinforce recurring themes.

*****NO MAKEUP EXAMS WILL BE GIVEN*****

You must have a serious and compelling reason that can be documented in order to miss an exam, should this occur, the student and professor will develop a plan of action that best suits the circumstances of the absence

Evaluation:

Four mid-term exams (100 each)	400
Final Exam	150
Total Points:	600

Grading: A percentage of total points will be calculated, and the following scale used:

A: 100-93; **A-:** 92-90; **B+:** 89-87; **B:** 86-83; **B-:** 82-80; **C+:** 79-77; **C:** 76-73; **C-:** 72-70; **D+:** 69-67; **D:** 66-60; **F:** 59-0

- The CR/NC grading option is not approved for this course; only letter grades can be earned.

Course Drop and Withdrawal Policy

Withdraw after the census date can only be done with a documented serious and compelling reason. The Department of Biological Sciences chair will not sign a withdrawal form otherwise, regardless of the instructor's view. It is highly recommended that if you wish to drop the class, you do so by the census date! A grade of "incomplete" will not be considered under any circumstance, you may petition for a withdrawal if a serious and compelling reason is given.

Academic Dishonesty: There will be a zero-tolerance policy for academic dishonesty, this includes, but is not limited to, cheating, plagiarism, and use of course materials in an inappropriate manner such as posting online. Violating this policy will result in a failing grade for the course and referral to the Student Judicial Affairs Office. See University code of conduct for more info:

<http://www.csustan.edu/judicial-affairs/student-responsibilities>

Tentative Schedule:

Date	Day	Topic	Chapter
27-Jan	F	Course Introduction	
30-Jan	M	Preview of the Cell	1
1-Feb	W	Chemistry of the cell	2
3-Feb	F	Macromolecules of the cell	3
6-Feb	M	Macromolecules of the cell	
8-Feb	W	Cells and Organelles	4
10-Feb	F	Energetics	5
13-Feb	M	Energetics	
15-Feb	W	Enzymes	6
17-Feb	F	Exam I	
20-Feb	M	Membranes	7
22-Feb	W	Membrane Transport	8
24-Feb	F	Membrane Transport	
27-Feb	M	Glycolysis and Fermentation	9
1-Mar	W	Glycolysis and Fermentation	
3-Mar	F	Aerobic Respiration	10
6-Mar	M	Aerobic Respiration	
8-Mar	W	Aerobic Respiration	
10-Mar	F	Photosynthesis	11
13-Mar	M	Photosynthesis	
15-Mar	W	Endomembrane System and Peroxisome	12
17-Mar	F	EXAM II	
20-Mar	<i>Spring Break</i>		
22-Mar			
24-Mar			
27-Mar	M	Signal Transduction I	13
29-Mar	W	Signal Transduction I	
31-Mar	F	<i>Cesar Chavez Day</i>	
3-Apr	M	Signal Transduction II	14
5-Apr	W	Signal Transduction II	

7-Apr	F	Cytoskeleton	15
10-Apr	M	Cytoskeleton	
12-Apr	W	Movement	16
14-Apr	F	Extracellular Components	17
17-Apr	M	Extracellular Components	
19-Apr	W	EXAM III	
21-Apr	F	Structural Basis of information	18
24-Apr	M	Cell Cycle	19
26-Apr	W	Gene Expression I	21
28-Apr	F	Gene Expression I	
1-May	M	Gene Expression II	22
3-May	W	Gene Expression II	
5-May	F	Gene Regulation	23
8-May	M	Gene Regulation	
10-May	W	Cancer Cells	24
12-May	F	Warrior Day	
15-May	M	EXAM IV	
17-May	W	Final Exam Review	
Final Exam Friday May 19th at 11:15			

Don't Fall Behind! This is a difficult course due to the material, and it builds one day after the next. Skipping lectures or putting off studying will result in you getting lost very quickly. If you keep up with the material, you will do much better and enjoy the course much more!!

YOU are responsible for YOUR education, but do not hesitate to get help when needed... Good Luck!