

Bio310 CELL BIOLOGY Fall 2007

Instructor: Dr. Donald Mykles, Professor of Biology & Associate Dean
Office: A/Z E345
Office hours: Wed. 12:30 pm - 2:30 pm or by appointment
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Required Texts: Lodish *et al.*, Molecular Cell Biology, 6th Edition, 2007
Bio310 Lab Manual (available from CSU Bookstore)
Mykles, Bio310 Lecture Syllabus (available from CSU

Bookstore)

All exams must be taken at the times scheduled. Exceptions must be cleared *in advance* with Dr. Mykles. Copies of Fall 2006 exams (with answers) are on electronic reserve (<http://lib.colostate.edu/access/ereserve/>). A copy of the textbook is on 2-hour reserve in Morgan Library.

Labs meet in 303 Yates and begin the first week of classes. **No absences from laboratory will be excused.** There are six lab sections per week. You may arrange with the teaching assistants to attend a different section for one meeting, if necessary.

Dates	Lecture Topic	Outline #
Aug 20,22,24	Course introduction; Biological molecules	1
Aug 27,29	Enzymes and catalysis	1
Aug 31,Sept 5	Membrane structure & transport mechanisms	2
Sept 7,10	Nerve cells	2
Sept 12,14	Cell-cell interactions/Extracellular matrix	2
Sept 17	Review Session (optional)	
Sept 20 (6-8 pm)	EXAM 1 (Outlines #1 & 2), 104 Yates	
Sept 19,21,24	Cytoplasmic membranes & protein sorting	3
Sept 26,28;Oct 1	Glycolysis & oxidative phosphorylation	4
Oct 3,5,8	Chloroplasts & photosynthesis	4
Oct 10	Review Session (optional)	
Oct 11 (6-8 pm)	EXAM 2 (Outlines #3 & 4), 104 Yates ("W" drop period ends Oct 15)	

Oct 12,15,17	Gene regulation	5
Oct 19,22,24,26	Cell Signaling I	5
Oct. 29,31;Nov 2	Cell Signaling II	6
Nov 5	Review Session (optional)	
Nov 8 (6-8 pm)	EXAM 3 (Outlines #5 & 6), 104 Yates	
Nov 7,9,12,14	Cytoskeleton & Motility	7
Nov 16,26,28	Cell cycle; DNA replication & repair	8
Nov 19-23	THANKSGIVING BREAK	
Nov 30,Dec 3,5	Cancer & apoptosis	8
Dec 7	Wrap-up	
Dec 11 (Tuesday)	FINAL EXAM , 104 Yates (9:10 – 11:10 am) Final is cumulative, with emphasis on Outlines #7 & 8	

Grading:

Total points possible: 1,000 (4 exams, 200 points each plus 200 points lab)

900 - 1,000 points:	A
800 - 899 points:	B
700 - 799 points:	C
600 - 699 points:	D
< 600 points:	F

Graduate Teaching Assistants (Fall, 2007):

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