

Biology 200 Class Schedule

Autumn Quarter 2011

<i>Instructor</i>	<i>Coordinator</i>
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Text: *Biological Science, 4rd Edition, Freeman*
 Class Web Site: <http://protist.biology.washington.edu/biol200/>

Lecture: M-Tu-W-F, 12:30 pm to 1:20 pm, KNE 120
 Lab Rooms: Hitchcock 143 and Hitchcock 147

Username: **biol200** • Password: **ribosome**

First Lab **Required**. Missing students will be **dropped**.

Wk	Day	Date	Lecture Topic	Class Readings	Lab
1	W	Sept 28	Intro to Cells and Organelles	1-1.1, 7-7.3, Table 7.2	
	F	Sept 30	Biological atoms/Carbohydrates	2-2.2, 2.4, Table 2.3, 5	
2	M	Oct 3	Proteins	3.2-3.3	Cells
	T	Oct 4	Protein Structure	3.4	
	W	Oct 5	[Quiz 1] Cellular energy	2.3, p. 149-150, Fig. 9.3	
	F	Oct 7	Catalysis/Enzymes	3.5	
3	M	Oct 10	Lipids/membranes	6, 8-8.1	Enzymes and Catalysis
	T	Oct 11	Nucleic acids, chromosomes	4-4.3	
	W	Oct 12	Central dogma, transcription	15.2, 16-16.1	
	F	Oct 14	[Quiz 2] Genetic code	15.3	
4	M	Oct 17	Translation	16.3-16.5, Figs. 7.23, 7.26	Central Dogma
	T	Oct 18	Respiration/ATP synthase	9.1-9.2, 9.6	
	W	Oct 19	Glycolysis	9.3	
	F	Oct 21	EXAM 1		
5	M	Oct 24	Krebs Cycle	9.4-9.5	Cellular Respiration
	T	Oct 25	Fermentation/Anaerobic Respiration	9.7-9.8	
	W	Oct 26	Basics of Gene Expression	17-17.1	
	F	Oct 28	Lac Operon	17.2-17.4	
6	M	Oct 31	Eukaryotic gene regulation	18-18.3	Prokaryotic Gene Regulation
	T	Nov 1	Eukaryotic RNA processing	16.2, 18.4	
	W	Nov 2	DNA replication	14.3	
	F	Nov 4	[Quiz 3] Telomerase/mutation	14.4-14.5, 15.4	
7	M	Nov 7	Cell cycle and Cancer	11	PCR1
	T	Nov 8	Meiosis/Gametogenesis	12.1, 22.1, Fig. 48.13	
	W	Nov 9	Cell-Cell Signaling	Figs. 8.8-8.16	
	F	Nov 11	VETERAN'S DAY HOLIDAY – no classes		
8	M	Nov 14	Fertilization	22.2	Gametogenesis
	T	Nov 15	Cleavage-Cell Fates	21.1, 22.3	
	W	Nov 16	Basic anatomy/embryo	Fig. 48.10, Supplemental part 1	
	F	Nov 18	EXAM 2		
9	M	Nov 21	Gastrulation	22.4, Supp. part 2	No labs this week
	T	Nov 22	Neurulation	22.5, Supp. part 3	
	W	Nov 23	Body Folding	22.5, Supp. part 4	
	F	Nov 25	THANKSGIVING HOLIDAY – no classes		
10	M	Nov 28	Molecular basis of alleles	ABO (p. 245-256)	Chick Embryo Development
	T	Nov 29	Acquired Immunity	49.2-49.4	
	W	Nov 30	Mosaicism/Aneuploidy	12.4	
	F	Dec 2	[Quiz 4] Molecular Techniques – PCR	19.2	
11	M	Dec 5	Molecular Techniques – DNA sequencing	19.3	Pedigree Analysis/ PCR2
	T	Dec 6	Pedigree Analysis	Figs. 13.22-13.24	
	W	Dec 7	Linkage Analysis	13.5	
	F	Dec 9	Cell Biology of Disease	19.4	
12	Th	Dec 15	FINAL EXAM: Thursday 8:30 – 10:20 am		

LAB MANUALS can be purchased at Professional Copy 'N' Print, 4200 University Way NE, 634-2689.

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