

### Bio 108 Biological Concepts: Unity (Honors)

Lecture MWF 10:20-11:20 AM Halsey 367

Discussion: Th 12:00-1:00 PM Halsey 457

Laboratory: Th 1:30-4:20 PM Halsey 201

Fall 2006

Lec #	Day	Date	Topic	Reading	Lab
			<b>Science and Scientific Progress</b>		
1	W	9/6	Syllabus, Intro to Diversity	1.1-1.2	
	Th	9/7	D: Introduce groups		Student Meetings
2	F	9/8	Organization of Life	1.3-1.4	
3	M	9/11	Scientific Method	1.6, p.47	
4	W	9/13	Scientific Investigation	1.7, 34.3, p.12	
	Th	9/14	D: Love potion #10 (Q1)		Taxonomy, Drinking <i>Daphnia</i>
5	F	9/15	Requirements for Life	3.1, 3.6-3.10	
6	M	9/18	Requirements for Life, cont.		
7	W	9/20	Origins of Life: Is anyone out there?	15.1-2; 16.1	
	Th	9/21	D: Review for Exam I		<b>Exam I</b>
			<b>Cells: Fundamental Units of Life</b>		
8	F	9/22	The World of Cells	4.1-4.4	
9	M	9/25	Cell Structure and Movement	4.5-4.9	
10	W	9/27	Nutrition and Communication	4.10-4.12	
	Th	9/28	D: Open (Q2)		Are You Alone in the Water?
11	F	9/29	Enzymes and Respiration	5 & 6	
12	M	10/2	Cell Division	7.1-7.5	
13	W	10/4	Cancer	7.6-7.8	
	Th	10/5	D: Stem Cells-Promises to Keep? (Q3)		Dance of the Chromosomes
14	F	10/6	Stem Cells	12.3-5	
15	M	10/9	Cool cells: neuromuscular system	24.8, 28.1-3	
16	W	10/11	Cool cells: pancreas and diabetes	29.4	
	Th	10/12	D. Review for Exam II		<b>Exam II</b>
			<b>Genetics: The Science of Heredity</b>		
17	F	10/13	Sexual Life Cycles	7.10,11	
18	M	10/16	Meiosis	7.12-13	
19	W	10/18	Mendelian Genetics	8.1-8.2	
	Th	10/19	D: Open (Q4)		Hot Fruit Fly Love
20	F	10/20	Mendelian Genetics	8.3-8.6	
21	M	10/23	Just What the Heck is DNA anyway?	1.9, 9.3, 9.5-6	

22	W	10/25	Human Chromosomes	8.7-8.9	
	Th	10/26	D: The Human Genome (Q5)		CSI: Oshkosh
23	F	10/27	Genetic Counseling, Genetic Engineering	8.10 ,10.1, 10.5&6	
24	M	10/30	Genetic Engineering	12.6&8 ,10.7	
25	W	11/1	Cloning and Ethics	12.1-2	
	Th	11/2	D: Review for Exam III		<b>Exam III</b>
			<b><i>The Human Body</i></b>		
26	F	11/3	Organization	24.2-6	
27	M	11/6	Organization, cont.	24.2-6	
28	W	11/8	Circulation	25.1-4, 25.8	
	Th	11/9	D: Open (Q6)		Human Physiology
29	F	11/10	Respiration and Effects of Smoking	25.9,12-14	
30	M	11/13	Nutrition	26.3-26.8	
31	W	11/15	Reproduction and Development	30.3-30.5, 30.8	
	Th	11/16	D: Nutrition (Q7)		Antibodies as Medical Tools
32	F	11/17	Action and Reaction: The Nervous System	28.6-28.7	
33	M	11/20	Communication: Hormones	29.1-5	
	W	11/22	Turkey Day Break		
	Th	11/23	Turkey Day Break		
	F	11/24	Turkey Day Break		
34	M	11/27	Immunity and AIDS	27.1-6, 27.9,12	
35	W	11/29	AIDS cont.		
	Th	11/30	D: Review for Exam IV		<b>Exam IV</b>
			<b><i>Evolution and Ecology</i></b>		
36	F	12/1	Darwin and Evolutionary Theory	2.1-2.4	
37	M	12/4	Evolution in Action	2.5	
38	W	12/6	Ecology	2.6-2.10,p.133	
	Th	12/7	D: Open (Q8)		Natural Selection: Will You Survive?
39	F	12/8	Ecosystems	31.1-5, 31.9-31.11	
40	M	12/11	Coevolution	32.7-32.10	
41	W	12/13	Ecosphere in Crisis	Ch. 34	
	Th	12/14	D: Review for Exam V		<b>Exam V</b>