Spring 2011 BI122; Introduction to Human Genetics; SYLLABUS

DATE	LECTURE TOPIC	TEXTBOOK READING (optional) Chapter (pages)	Lecture Files & Problem Sets
29-Mar	Intro: Cellular basis of life	Chapters 1 (all), 2 (all)	Lecture File #1
	DISCUSSION SECTIONS	**NO DISCUSSION SECTIONS during Week 1**	
31-Mar	Mendelian Inheritance	Chapters 3 (44-52; 57), 4 (all), 5 (all), 6 (all)	Lecture File #2
5-Apr	Mendelian Inheritance	Chapters 3, 4, 5, 6	Lecture File #2
	DISCUSSION SECTIONS		PROBLEM SET #1 DUE
7-Apr	DNA and Genes	Chapters 9 (all), 10 (all)	Lecture File #3
12-Apr	DNA and Mendel: Genes and Mutations	Chapters 9, 10, 12 (all), 13 (all)	Lecture File #3
	DISCUSSION SECTIONS		PROBLEM SET #2 DUE
14-Apr	DNA and Mendel: Genes and Mutations	Chapters 9, 10, 12, 13	Lecture Files #3
19-Apr	Review for Midterm #1	Chapters 11 (all)	
	DISCUSSION SECTIONS		Midterm Exam Review
21-Apr	Midterm #1		
26-Apr	Gene Expression	Chapters 11	Lecture File #4
	DISCUSSION SECTIONS		Problem Set #3 due; Midterm Exam #1 Discussion
28-Apr	Gene Expression		Lecture File #4
3-May	Genetic Engineering, Genomics & Stem Cells	Chapters 19 (all), 20 (all), 21, (all), 22 (all)	Lecture File #5
	DISCUSSION SECTIONS		PROBLEM SET #4 DUE
5-May	Genetic Engineering, Genomics & Stem Cells	Chapters 19, 20, 21, 22	Lecture File #5
10-May	Genetics of Immunity	Chapter 17 (all)	Lecture File #6
	DISCUSSION SECTIONS		PROBLEM SET #5 DUE
12-May	Genetics of Immunity	Chapter 17	Lecture File #6
17-May	Review for Midterm #2		
	DISCUSSION SECTIONS		Midterm Exam review
19-May	Midterm #2		
24-May	Genetics of Cancer	Chapters 18 (all)	Lecture File #7
	DISCUSSION SECTIONS		Problem Set #6 Due
26-May	Genetics of Cancer	Chapter 18	Lecture File #7
31-May	Final Exam review		
	DISCUSSION SECTIONS		Final Exam review
2-Jun	**FINAL EXAM**	**FINAL EXAM**	**FINAL EXAM**