

Lecture	Day	Date	Topic	Reading	Notes
1	Tuesday	January 10	Introduction to Mendel	Chapter 1; Chapter 3 (pp. 37-42)	
2	Thursday	January 12	More on Mendel	Chapter 2; Chapter 3 (pp. 42-48)	Assignment 1 posted on MasteringGenetics website
3	Tuesday	January 17	Pedigrees and risk analysis	Chapter 3 (pp. 49-55)	
4	Thursday	January 19	Modifications of Mendelian ratios	Chapter 4 (pp. 60-73)	Assignment 2 posted on MasteringGenetics website
5	Tuesday	January 24	More on modifications of Mendelian ratios	Chapter 4 (pp. 73-85)	<i>Lecture by Dr. Joshua Bloomekatz, UCSD</i>
6	Thursday	January 26	Sex determination and sex chromosomes	Chapter 5	Assignment 3 posted on MasteringGenetics website
7	Tuesday	January 31	Chromosomes: variations in number and arrangement	Chapter 6	
8	Thursday	February 2	Mapping genes	Chapter 7 (pp. 132-147)	Assignment 4 posted on MasteringGenetics website
9	Tuesday	February 7	More on mapping genes	Chapter 7 (pp. 147-153)	
<b>MIDTERM</b>	Thursday	February 9	<b>MIDTERM EXAM</b>		
10	Tuesday	February 14	Bacterial genetics	Chapter 8	
11	Thursday	February 16	DNA structure and analysis	Chapter 9	Assignment 5 posted on MasteringGenetics website
12	Tuesday	February 21	Mutations	Chapter 12; Chapter 14	
13	Thursday	February 23	Regulation of gene expression	Chapter 15	Assignment 6 posted on MasteringGenetics website
14	Tuesday	February 28	Genomics and genetic engineering	Chapter 18; Chapter 19	
15	Thursday	March 1	Forward genetics and reverse genetics	Chapter 20; Chapter 21	Assignment 7 posted on MasteringGenetics website
16	Tuesday	March 6	Quantitative traits and measuring heritability	Chapter 22	
17	Thursday	March 8	Population genetics and evolutionary genetics	Chapter 23; Chapter 24	Assignment 8 posted on MasteringGenetics website
18	Tuesday	March 13	Cancer genetics: cell cycle, oncogenes and tumor suppressors	Chapter 16	<i>Lecture by Dr. Clodagh O'Shea, Salk Institute</i>
19	Thursday	March 15	Telomeres, aging and cancer	Chapter 10	<i>Lecture by Dr. Vicki Lundblad, Salk Institute</i>
<b>FINAL</b>	Thursday	March 22	<b>FINAL EXAM</b> (7-10 pm)		