

<b>Date</b>	<b>Lecture Topic</b>	<b>Reading</b>	
Jan 21	Introduction, review of DNA structure		
Jan 26	No Class		
Jan 28	No Class		
Feb 2	Replication	Chapter 1	52pp
Feb 4			
Feb 9	Transcription & Translation	Chapter 2	56pp
Feb 11	Bacterial Genetic Analysis	Chapter 3	57pp
Feb 16	Plasmids	Chapter 4	34pp
<b>Feb 18</b>	<b>First Exam covering Jan 21 to Feb 11 lectures</b>		
Feb 23			
Feb 25	Conjugation	Chapter 5	25pp
Mar 2			
Mar 4	Transformation	Chapter 6	16pp
Mar 9			
Mar 11	Bacteriophage	Chapter 7	55pp
<b>Mar 16</b>	<b>Spring Break</b>		
<b>Mar 18</b>	<b>Spring Break</b>		
Mar 23	Lysogeny	Chapter 8	36pp
Mar 25			
Mar 30	Transposition	Chapter 9	40pp
Apr 1	Recombination	Chapter 10	28pp
<b>Apr 6</b>	<b>Second Exam covering Feb 16 to Mar 30 lectures</b>		
Apr 8			
Apr 13	DNA Repair	Chapter 11	36pp
Apr 15			
Apr 20	Gene Regulation	Chapter 12	52pp
Apr 22			
Apr 27	Global Regulation	Chapter 13	57pp
Apr 29	Cell Biology	Chapter 14	53pp
<b>May 4</b>	<b>Review</b>		

Final Exam: TBA (cumulative)

Textbook: *Molecular Genetics of Bacteria* 4th Edition  
by Snyder, Peters, Henkin, & Champness

Grading: 11:680:480: Three exams, 30%, 30%, and 40% (final). Each exam will have a combination of short and long answer questions. 16:682:504: Three exams, 25%, 25%, and 30% (final). Research proposal, 20%.