

**SBS21X**  
**AP Biology I**  
 Fall 2016  
 Mr. Sprague

**Tentative Course Outline**  
**Marking Period 3**

<u>Week</u>	<u>Dates</u>	<u>Discussion Topics</u>	<u>Lab Exercises</u>	<u>Hillis Chapters</u>
14	12/5–12/9	History of Molecular Genetics DNA Structure and Function Semiconservative Replication Mutations	DNA Extraction	9
<b>EXAM 4      Monday, December 12</b>				
15	12/12–12/16	Protein Synthesis Posttranscriptional mRNA Processing Posttranslational Protein Processing	mRNA Processing	10
16	12/19–12/23	Gene Expression Viral Life Cycles Operons Transcription Factors	Epigenetics in Rat Pups	11
17	1/3–1/6	Genomics Recombinant DNA	DNA Gel Electrophoresis	12, 13
<b>EXAM 5      Friday, January 6</b>				
18	1/9–1/13	Evolutionary Developmental Biology Cell Differentiation Natural Selection Genetic Drift	Regeneration in <i>Planaria</i>	14
19	1/17–1/20	Population Genetics Hardy-Weinberg Equilibrium Course Evaluation	Population Genetics of PTC Tasting	15
<b>FINAL EXAM      Free Response      Friday, January 20</b> <b>Multiple Choice      Monday, January 23</b>				

*This schedule, including assignment and exam dates, is subject to modification by the instructor.*