

SBS21X
AP Biology I
 Fall 2019
 Mr. Sprague

Tentative Course Outline
Marking Period 2

<u>Week</u>	<u>Dates</u>	<u>Discussion Topics</u>	<u>Lab Exercises</u>	<u>Hillis Chapters</u>
7	10/15–10/18	Prokaryotic vs. Eukaryotic Cells Subcellular Organization Endosymbiont Theory Cell-Cell Junctions	Microscopy	4
8	10/21–10/25	Membranes Diffusion and Osmosis Active Transport	Diffusion and Osmosis	5
9	10/28–11/1	Water Potential Intercellular Signal Transduction	Water Potential	5
10	11/4–11/8	Coupled Reactions and Reduced Coenzymes Chemiosmosis	Plasmolysis	6
EXAM 3 Friday, November 8				
11	11/12—11/15	Cellular Respiration	Measuring Respiration in Germinating Seeds	6
12	11/18–11/22	Photosynthesis C3, C4, and CAM Plant Systems	Plant Pigment Paper Chromatography	6
13	11/25–11/27	Cell Cycle Regulation Apoptosis	Plant Pigment Spectrophotometry	7
14	12/2–12/6	Mitosis and Meiosis Life Cycles Alternation of Generations	Timing Mitosis in Onion Root Tips	7
EXAM 4 Friday, December 6				

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