



## BSC 2010 LAB SCHEDULE (Fall 2020)

This course is rigorously demanding; it is therefore imperative that you read each exercise in the manual before class. It will facilitate learning the material, understanding procedures, finishing more quickly and reducing the likelihood of mistakes.

DATE	LAB #	LAB TITLE	Brooker et al (4 <sup>th</sup> Ed.)
8/24-26	1	Intro to Lab & Scientific Method	Pages 14-19
8/31-9/2	2	Chemistry of Living Things	Chapters 2 and 3
9/7-9		No Labs	
9/14-16	3	The Microscope: An important tool for the biologist.	Pages 68 - 71
9/21-23	4	Prokaryotic and Eukaryotic Cells	Pages 71 - 98
9/28-30	5	Diffusion and cell transport. How matter enters and leaves cells.	Chapter 5
10/5-7	6	Enzymes: How they work & factors affecting their activity	Pages 125 -131
10/12-14	7	Respiration and Fermentation	Chapter 7
10/19-21	8	Photosynthesis.	Chapter 8
10/26-28	9	Mitosis and Meiosis. ( <b>Tobacco seed planting.</b> )	Chapter 15
11/2-4	10	Mendelian and Modern Genetics	Chapters 16 & 17
11/9-11		No Labs	
11/16 - 18	11	Transformation of Bacteria and Determining the Length of DNA	Pages 212 -214; Chapter 20
11/23-28		No Labs	
11/30-12/5	13 &14	DNA Mapping using restriction enzymes and electrophoresis. DNA fingerprinting part I	Chapter 20
12/7-9	14	DNA Fingerprinting Using PCR Part II	Chapter 20