



BSC 2010 LAB SCHEDULE (Fall 2022)

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 (3 rd Ed.)
8/22-24	1	Intro to Lab & Scientific Method	Pages 13-18
8/29-31	2	Chemistry of Living Things	Chapters 2 and 3
9/5-7		Lab closed – labor day	
9/12-14	3	The Microscope: An important tool for the biologist.	Pages 66 - 68
9/19-21	4	Prokaryotic and Eukaryotic Cells	Pages 68 - 94
9/26-28	5	Diffusion and cell transport. How matter enters and leaves cells. – Online assignments skip in-person lab	Chapter 5
10/3-5	6	Enzymes: How they work & factors affecting their activity	Pages 122-128
10/10-12	7	Respiration and Fermentation	Chapter 7
10/17-19	8	Photosynthesis.	Chapter 8
10/24-26	9	Mitosis and Meiosis. (Tobacco seed planting.)	Chapter 15
10/31-11/2	10	Mendelian and Modern Genetics	Chapters 16 & 17
11/7-8	11	Determining the Length of DNA and Transformation of Bacteria	Pages 215 -217, 219 – 224; 415 - 417
11/9	11	Determining the Length of DNA and Transformation of Bacteria – Virtual lab	
11/14-16	13 & 14i	DNA Mapping using restriction enzymes and electrophoresis. DNA fingerprinting part I	Chapters 12 & 20
11/21-23		No Labs	
11/28-30	14ii	DNA Fingerprinting Using PCR Part II	Chapter 20