



BSC 2010 LAB SCHEDULE (Fall 2017)

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.)
8/21-25	1	Intro to Lab & Scientific Method	Pages 13-18
8/28 - 9/1	2	Chemistry of Living Things	Chapters 2 and 3
9/4		Lab closed – labor day	
9/20-25	3	The Microscope: An important tool for the biologist.	Pages 66 - 68
9/26-10/2	4	Prokaryotic and Eukaryotic Cells	Pages 68 - 94
10/3 - 9	5	Diffusion and cell transport. How matter enters and leaves cells.	Chapter 5
10/10 - 16	6	Enzymes: How they work & factors affecting their activity	Pages 122-128
10/17 – 23	7	Respiration and Fermentation	Chapter 7
10/24 - 30	8	Photosynthesis.	Chapter 8
10/31 - 11/6	9 & 10	Mitosis and Meiosis. (Tobacco seed planting.) Mendelian and Modern Genetics	Chapter 15, Chapters 16 & 17
11/7 - 10		No Labs	
11/13 - 17	11	Determining the Length of DNA and Transformation of Bacteria	Pages 215 -217, 219 – 224; 415 - 417
		No Labs	
11/27 - 12/1	13 & 14i	DNA Mapping using restriction enzymes and electrophoresis. DNA fingerprinting part I	Chapters 12 & 20
12/4 - 8	14ii	DNA Fingerprinting Using PCR Part II	Chapter 20

Alternate Class Times:

Monday	Tuesday	Wednesday	Thursday	Friday
9:30 – 12:20	9:30 – 12:20	9:30 – 12:20	9:30 – 12:20	9 – 11:50
2 – 4:50	2 – 4:50	2 – 4:50	2 – 4:50	12:30 – 3:20
6:30 – 9:20	6:30 – 9:20	6:30 -9:20		