

# Biological Principles for Non-Majors 1005 Laboratory Schedule

BC Central Campus

Session I 2018

1/9 /2018 – 4/14 /2018

All required readings should be completed before coming to the lab. Lab coats, closed toe shoes and eye protection are required for all laboratories.

Dates	Lab #	Lab Title	Required Pre Lab Reading Hoefnagels Textbook (4 <sup>th</sup> Edition)
1/9-13	1	Introduction: Safety and Scientific Method	<u>Pages:</u> 10-14
1/16-20	2	Forensic Microscopy	<u>Pages:</u> 47-48
1/23-27	3	Cell Chemistry I: Amino Acids, Water and pH	<u>Pages:</u> 22-30, 32-34
1/30-2/3	4	Cell Chemistry II: Carbohydrates and Lipids	<u>Pages:</u> 30-32, 36-39
2/6-10	5	Enzymes	<u>Pages:</u> 78-79
2/13-17	6	The Cell Membrane	<u>Pages:</u> 54-55, 80-84
2/20-24		Lab closed	
2/27-3/3	7	Cell Diversity: Bacteria and Fungi	<u>Page(s):</u> 8-9 & 50-53 <u>Chapters:</u> 17 & 20
3/5-9		Spring Break	
3/13-17	8	Cells: Diversity and Uniformity	<u>Page(s):</u> 8-9 & 52-66
3/20-24	9	Mitosis and the Cell Cycle	<u>Pages:</u> 153-156
3/27-31	10	Photosynthesis	Chapter 5
4/3-7	11	Mendelian Genetics: Blood typing and a Goodness of Fit Test	<u>Pages:</u> 188-196 & 199-200 214-215 (sample genetics problems)
4/10-14	12	Animal Diversity	Chapter 21
4/17-21	13	Biotechnology: DNA Fingerprinting	<u>Pages:</u> 34-36 and 223-225

**READ YOUR LAB MANUAL BEFORE COMING TO CLASS!!!!!!**

**Important Dates:**

2/20-24	Lab closed
3/5-9	Spring Break

**Lab Times:**

<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>
	8:30-10:20	8:30 - 10:20	8:00 - 9:50	8:30 - 10:20	12:30-2:20
	11:00 - 12:50	11:00 - 12:50	10:30 -12:20		
	1:30 - 3:20	1:30 - 3:20	1:00 - 2:50		
	4:00 - 5:50	4:00 - 5:50			
	6:30 - 8:20		6:00 - 7:50		