

# Biological Principles for Non-Majors 1005 Laboratory Schedule

BC Central Campus

Session I 2021

8/21/2021 – 12/5/2021

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 (4 <sup>th</sup> Edition)
8/21		No Lab	
8/25 - 29	1	Everyday Biology: What's the Point?	Pages: 10 – 14
9/1-5	2	Lab Equipment: Let's Get to Know Each Other!	Pages: 47 and 48
9/8 - 12	3	Water and pH: No One Wants to be Basic all the Time	Pages: 26 – 30
9/15 – 19	4	Cell Chemistry: You are What You Eat!	Pages: 30 – 39
9/22- 26	5	Enzymes: Always Looking for a Matching Substrate	Pages: 78 and 79
9/29 – 10/3	6	Properties of the Cell Membrane: The Good, The Bad, The Selective	Pages: 54 and 55, 80 – 84
10/6-10	7	Cell Division: Splitting Up!	Pages: 146 – 156, 170 – 176
10/13-17	8	Photosynthesis: Let There be Light!	Chapter 5
10/20-24	9	Bacteria and Fungi: They Are All Around Us!	Pages: 50 – 52, Chapters 17 and 20
10/ 27 - 31	10	Mendelian Genetics: Where Did You Get Those "Genes"?	Pages 188 – 200
11/3-7	11	Biotechnology: How Science Can Prevent the Zombie Apocalypse	Chapter 11
11/10-11		No Lab	
11/12-18	12	Biotechnology: How Science Helps Determine Paternity	Chapter 11
11/19-28		No Lab	
12/1-5	13	Eukarya Domain: Animalia Kingdom	Chapter 21