

# Genetics 3063 Laboratory Schedule

BC Central Campus

Session 1 Fall 2020

08/21/2020 – 12/15/2020

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
08/24 – 08/25	1	Introduction: Safety and Scientific Method Pipetting usage and technique, bacteria isolation and plating protocol
08/31 – 09/01	2	Disease transmission model and the use of ELISA assays
<b>09/07 – 09/08</b>		<b>College Closed on Monday: Labor Day</b>
09/14 – 09/15	3	pGLO™ Bacterial Transformation Part I
09/21 – 09/22	4	pGLO™ Bacterial Transformation Part II  GMO Investigator Part I Student food sample prep and PCR set up
09/28 – 09/29	5	GMO Investigator Part II PCR product electrophoresis and write up of analysis
10/05 – 10/06		<b>NO LAB THIS WEEK!</b>
10/12 – 10/13	6	GMO Investigator Part III Student food sample prep, RT-PCR prep and cycle run
10/19 – 10/20	7	GMO Investigator Part IV RT- PCR sample product electrophoresis and write up of analysis
10/26 – 10/27	8	Western Blot Technique Part I
11/02 – 11/03	9	Western Blot Technique Part II Protein Fingerprinting
11/09 – 11/10	10	Fingerprint Analysis, Blood Typing and PTC testing
11/16 – 11/17 <b>(No face to face meeting)</b>	11	<b>Lab Cumulative Final Exam!</b> <b>Available through D2L from Monday 04/06 3:50 PM through Monday 04/13 11:59 PM</b> <b>1 attempt with a time limit of 90 minutes</b>

**The instructor reserves the right to change the lab schedule**  
**CHECK D2L AND LAB MATERIALS BEFORE COMING TO CLASS!!!!!!**