

Genetics 3063 Laboratory Schedule

BC Central Campus

Session 1 Fall 2022

08/19/2022 – 12/13/2022

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
08/22	1	Introduction: Safety and Scientific Method Pipetting usage and technique, bacteria isolation and plating protocol
08/29	2	Disease transmission model and the use of ELISA assays
09/05		College Closed on Monday: Labor Day
09/12	3	pGLO™ Bacterial Transformation Part I
09/19	4	pGLO™ Bacterial Transformation Part II GMO Investigator Part I Student food sample prep and PCR set up
09/26	5	GMO Investigator Part II PCR product electrophoresis and write up of analysis Quiz #1 Available on D2L
10/03		Lab Closed: No Genetics Lab
10/10	6	GMO Investigator Part III Student food sample prep, RT-PCR prep and cycle run Quiz #2 Available on D2L
10/17	7	GMO Investigator Part IV RT- PCR sample product electrophoresis and write up of analysis
10/24	8	Western Blot Technique Part I Protein Fingerprinting Quiz #3 Available on D2L
10/31	9	Western Blot Technique Part II
11/07	10	Fingerprint Analysis, Blood Typing and PTC testing Quiz #4 Available on D2L
11/14 (No face to face meeting)		Lab Cumulative Final Exam! Available through D2L from: Monday 04/11 09:00 AM through Tuesday 04/12 11:59 PM 1 attempt with a time limit of 90 minutes

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