

Genetics 3063 Laboratory Schedule

BC Central Campus

Session 1 Spring 2023

01/09/2023 – 05/07/2023

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
01/09	1	Introduction: Safety and Scientific Method Pipetting usage and technique, bacteria isolation and plating protocol
01/16		College Closed on Monday: MLK Day
01/23	2	Disease transmission model and the use of ELISA assays pGLO™ Bacterial Transformation Part I
01/30	3	pGLO™ Bacterial Transformation Part II
02/06		Lab Closed: No Genetics Lab
02/13	4	GMO Investigator Part I Student food sample prep and PCR set up Quiz #1 Available on D2L
02/20	5	GMO Investigator Part II PCR product electrophoresis and write up of analysis
02/27	6	GMO Investigator Part III Student food sample prep, RT-PCR prep and cycle run Quiz #2 Available on D2L
03/06		Lab Closed: Spring Break
03/13	7	GMO Investigator Part IV RT- PCR sample product electrophoresis and write up of analysis
03/20	8	Western Blot Technique Part I Protein Fingerprinting Quiz #3 Available on D2L
03/27	9	Western Blot Technique Part II
04/04	10	Fingerprint Analysis, Blood Typing and PTC testing Quiz #4 Available on D2L
04/11 (No face to face meeting)	11	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!!!!!!