

Genetics 3063 Laboratory Schedule

BC Central Campus

Session 1 Spring 2022

01/05/2022 – 05/03/2022

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
01/10	1	Introduction: Safety and Scientific Method Pipetting usage and technique, bacteria isolation and plating protocol
01/17		College Closed on Monday: MLK
01/24	2	Disease transmission model and the use of ELISA assays
01/31	3	pGLO™ Bacterial Transformation Part I
02/07	4	pGLO™ Bacterial Transformation Part II GMO Investigator Part I Student food sample prep and PCR set up
02/14	5	GMO Investigator Part II PCR product electrophoresis and write up of analysis
02/21		Lab Closed: No In-Class Meeting
02/28		College Closed: Spring Break
03/07	6	GMO Investigator Part III Student food sample prep, RT-PCR prep and cycle run
03/14	7	GMO Investigator Part IV RT- PCR sample product electrophoresis and write up of analysis
03/21	8	Western Blot Technique Part I Protein Fingerprinting
03/28	9	Western Blot Technique Part II
04/04	10	Fingerprint Analysis, Blood Typing and PTC testing
04/11 (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!!!!!!**