

Genetics 3063 Laboratory Schedule

BC Central Campus

Session 1 Spring 2021

01/06/2021 – 04/27/2021

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
01/11 – 01/12	1	Introduction: Safety and Scientific Method Pipetting usage and technique, bacteria isolation and plating protocol
01/18 – 01/19		College Closed on Monday: MLK
01/25 – 01/26	2	Disease transmission model and the use of ELISA assays
02/01 – 02/02	3	pGLO™ Bacterial Transformation Part I
02/08 – 02/09	4	pGLO™ Bacterial Transformation Part II GMO Investigator Part I Student food sample prep and PCR set up
02/15 – 02/16	5	GMO Investigator Part II PCR product electrophoresis and write up of analysis
02/22 – 02/23		NO LAB THIS WEEK!
03/01 – 03/02		College Closed: Spring Break
03/08 – 03/09	6	GMO Investigator Part III Student food sample prep, RT-PCR prep and cycle run
03/15 – 03/16	7	GMO Investigator Part IV RT- PCR sample product electrophoresis and write up of analysis
03/22 – 03/23	8	Western Blot Technique Part I Protein Fingerprinting
03/29 – 03/30	9	Western Blot Technique Part II
04/05 – 04/06	10	Fingerprint Analysis, Blood Typing and PTC testing
04/12 – 04/13 (No face to face meeting)	11	Lab Cumulative Final Exam! Available through D2L from: Monday 04/12 09:00 AM through Tuesday 04/13 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!!!!!!