

Genetics 3063 Laboratory Schedule

BC Central Campus

Session 1 2018

01/08/2018 – 05/06/2018

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
01/08		NO Genetics Lab!
01/15		College Closed: Martin Luther King Day
01/22	1	Introduction: Safety and Scientific Method Pipetting technique, bacteria plating and proper dilution protocol
01/29	2	HIV disease transmission model and the use of ELISA assays
02/05	3	pGLO™ Bacterial Transformation Part I
02/12	4	pGLO™ Bacterial Transformation Part II Speaker: Prof. S. Ponukumati. “ BLAST : Basic Local Alignment Search Tool”
02/19	5	Bring Food Samples for GMO Experiment! GMO Investigator Part I Student food sample prep and PCR set up Quiz # 1 BLAST Assignment Due Lab Packet # 1 Due
02/26	6	GMO Investigator Part II PCR product electrophoresis and write up of analysis
03/05		College Closed: Spring Break
03/12	7	Bring Food Samples for GMO Experiment! GMO Investigator Part III Student food sample prep, RT-PCR prep and cycle run
03/19	8	GMO Investigator Part IV RT- PCR sample product electrophoresis and write up of analysis
03/26	9	Western Blot Technique Part I Lab Packet # 2 Due
04/02	10	Western Blot Technique Part II Quiz # 2
04/09	11	Western Blot Technique Part II Protein Fingerprinting
04/16	12	Fingerprint Analysis, Blood Typing and PTC testing Quiz # 3 Lab Packet # 3 Due
04/23	13	Lab Cumulative Final Exam!

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