

# REVISED – due to Hurricane Irma

## Genetics 3063 Laboratory Schedule

BC Central Campus

Session 1 2017

08/21/2017 – 12/12/2017

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
08/21	1	Introduction: Safety and Scientific Method Pipetting technique, bacteria plating and proper dilution protocol
<b>08/28</b>		<b>Lab Closed</b>
<b>09/04</b>		<b>College Closed: Labor Day</b>
<b>09/11</b>	<b>2</b>	<b>BC Closed due to Hurricane Irma</b>
<b>09/18</b>	<b>3</b>	<b>HIV disease transmission model and the use of ELISA assays</b> <b>pGLO™ Bacterial Transformation Part I</b>
09/25	4	pGLO™ Bacterial Transformation Part II Speaker: Prof. S. Ponukumati. “ <b>BLAST</b> : Basic Local Alignment Search Tool”
10/02	5	GMO Investigator Part I Student food sample prep and PCR set up <b>Quiz # 1</b> <b>BLAST Assignment Due</b> <b>Lab Packet # 1 Due</b>
10/09	6	GMO Investigator Part II PCR product electrophoresis and write up of analysis
10/16	7	GMO Investigator Part III Student food sample prep, RT-PCR prep and cycle run ***Depending on PCR results, we might need to extract DNA from new food samples***
10/23	8	GMO Investigator Part IV RT- PCR sample product electrophoresis and write up of analysis
10/30	9	GMO Investigator Part V Repeat of PCR or RT-PCR experiment if need be
11/06	10	Western Blot Technique Part I <b>Quiz # 2</b> <b>Lab Packet # 2 Due</b>
11/13	11	Western Blot Technique Part II Protein Fingerprinting
11/20	12	Fingerprint Analysis, Blood Typing and PTC testing <b>Quiz # 3</b> <b>Lab Packet # 3 Due</b>
11/27	13	<b>Lab Cumulative Final Exam!</b>

**CHECK D2L AND LAB MATERIALS BEFORE COMING TO CLASS!!!!!!**