

Registering to BISC 336 and the corresponding lab section translates to full recognition and acknowledgement of the expectations, policies, guidelines, and information stated above.

***The schedule and syllabus are subject to change at the discretion of the instructor ***

Please make sure you pay attention to blackboard and print out required protocol(s) before lab if need so.

BISC 336 Spring 2018 Lab Tentative Schedule Layout

Date	Week	Lab Agenda
1/22	1	No Lab
1/29	2	<i>Meiosis Practice. Mendel Genetics; observing phenotypic characteristics of <i>Drosophila melanogaster</i>. Set-up F1xF1 crosses.</i>
2/5	3	<i>F1xF1 Parent Removal; Chi-Square & Product law in-lab work; assign figure</i>
2/12	4	<i>F2 Data collection; Statistical analysis; Excel demo</i>
2/19	5	Review Session for Lecture Exam on Feb. 22nd
2/26	6	Population Genetics: Hardy Weinberg Figure 1 Due
3/5	7	<i>Pick a Bug, Extraction DNA and set up PCR</i>
3/12	8	Spring Break
3/19	9	<i>Pick a Bug, Run gels, send for sequencing</i>
3/26	10	<i>Pick a Bug, Analyze sequences, build trees (*MinION sequencing demo*)</i>
4/2	11	<i>GMO Investigation Part I; Set-up Discuss GMOs, experiment objectives, PCR, Electrophoresis and application of methods</i>
4/9	12	Review Session for Lecture Exam on April 10th. Figure 2 Due
4/16	13	<i>GMO Investigation part II; Electrophoresis & imaging Figure Workshop; GMO figure design and layout</i>
4/23	14	<i>Article Critique Presentations</i>
4/30	15	Review Session for Lecture Final Exam Figure 3 Due