

Bio 242 - Laboratory Schedule and Due Dates - Fall 2009

Week - Date	Lab Activities Schedule and Due Dates	Readings
1 - Sept 7,8	----- No labs this week -----	
2 - Sept 14,15	Lab Introduction/ Lab Safety / Micro-Bradford Protein Bioassay	13-20
3 - Sept 21/22	<p>α-Amylase Lab I : Effect of pH on α-Amylase Activity</p> <p>Due: Protein Bioassay Standard curve assignment due in lab.</p> <p>Due: Pre-Lab Problem Set #1 (see Appendix 1) - in lab</p> <p>Th Sept 24 ---- Due: Paper citation for amylase lab by email to Greg.</p>	21-38
4 - Sept 28,29	<p>α-Amylase Lab II - Group-Designed Experiments</p> <p>Due: Draft of Title, Introduction, and Methods of Amylase paper in lab for comments.</p>	39-46
5 - Oct 5,6	<p>Peer Review Workshop with Seri Rudolf 1 pm - location TBA</p> <p>α-Amylase Lab - Amylase Protein Bioinformatics</p> <p>F Oct 9---Due: Draft of Amylase lab for Peer Review (3 copies/group) in lecture</p>	<p>Handouts 47-50 Web tutorial</p>
6 - Oct 12,13	<p>Photosynthesis I: Effect of inhibitors on electron transport/ Set up <i>Sordaria crosses</i></p> <p>Due: Pre-Lab Problem Set #2 (see Appendix 1) in lab.</p> <p>M Oct 12 - Due: Completed Peer Reviews with PR Forms in lecture.</p> <p>W Oct 14 - Due: Paper citation for Photosynthesis lab by email to Greg.</p>	51-66
7 - Oct 19,20 (Fall Break week)	<p>Photosynthesis II - Group-Designed Experiments</p> <p>Tu Oct 20 - DUE: By 4 pm Final Amylase lab including all PR materials at Carnegie Reception Desk</p>	66-68
8 - Oct 26,27	<p>Genetics Lab I: Meiosis and Crossing Over in <i>Sordaria</i></p> <p>Due: Draft of Title, Introduction, and Methods of Photosynthesis paper in lab for comments.</p>	69-78
9 - Nov 2,3	<p>Genetics Lab 2: Mendelian Inheritance in <i>Drosophila</i> - Virtual Fly Simulation</p> <p>F Nov 6 - Due: Draft of Photosynthesis lab for Peer Review (3 copies per group) in lecture.</p>	79-98
10 - Nov 9,10	<p>DNA Profiling - Electrophoresis and PCR</p> <p>M Nov 9 - Due: Completed Peer Reviews + PR forms in lecture.</p> <p>Due: <i>Drosophila</i> Genetics lab report in lab.</p> <p>F Nov 13 - Due: By 4 pm Final Photosynthesis lab including all PR materials at Carnegie Reception Desk.</p>	99-112
11 - Nov 16,17	<p>Bacterial Transduction 1</p> <p>Due: DNA Profiling lab report in lab.</p> <p>Due: Pre-Lab Question Set #3 (see Appendix 1) in lab.</p>	113-116
12 - Nov 23,24	Thanksgiving Break - no labs this week	
13 - Nov 30- Dec 1	Bacterial Transduction 2	116-124
14 - Dec 7,8	<p>LABORATORY PRACTICAL EXAMINATION - Schedule TBA</p> <p>Due: Transduction lab report in lab</p> <p>F Dec 11 - Due: By 4 pm - All PI lab revisions including original paper and Revision Response Form due at Carnegie Reception desk</p>	125