

Techniques in Cell Biology

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Fall 2009

<u>Date</u>	<u>Topic</u>	<u>Assignment</u>	<u>Due Date</u>	<u>% of grade</u>
9-1, 9-3	1- Standard Lab Practices	Problem Set 1	9-8, 9-10	5
9-8, 9-10	2-Effect of pH on Yeast Cell Growth			
9-15, 9-17	3- Hemoglobin Content of RBC's	Graphs & Calc's	9-22, 9-24	10
9-22, 9-24	4- Enzyme Kinetics I	Graphs & Calc's	In class	
9-29, 10-1	5- Enzyme Kinetics II	Intro & Results (labs 4 & 5)	10-6, 10-8	15
10-6, 10-8	6- Yeast Metabolism 1			
10-13, 10-15	7- Yeast Metabolism 2	Discussion w/figures (labs 6 & 7)	Mon 11/2	10
10-20, 10-22	- Fall Break—			
10-27, 10-29	8 – Protein Purification I			
11-3, 11-5	9- Protein Purification II	Full lab report (labs 9 & 10)	Fri 11-20	20
11-10, 11-12	10- Cell Fractionation	_____	_____	_____
11-17, 11-19	11- Histology	Problem set 2	12-1, 12-3	5
11-24, 11-26	Thanksgiving—no lab			
12-1, 12-3	12- Immunofluorescence	_____	_____	_____
12-8, 12-10	13- Independent experiment		In lab	10

Blackboard Quizzes **5%**

Quizzes will be posted on the Friday before lab and should be done by lab time. The short quizzes will consist of material from the previous lab and “look ahead” questions for the upcoming lab.

Lab Performance **5%**

Includes class participation, preparedness for lab, lab technique and promptness to lab.

Final Exam **15%**

Students are expected to arrive in class **on time** and to have completely read the lab exercises before coming to class. All assignments must be turned in at the beginning of lab. Any assignments turned in after this time will be considered late. Assignments received after the due date are penalized 10% per week and are not accepted after the class work has been returned.

Students must attend **all** laboratories. Excused absences will require a written medical excuse OR prior approval of the instructor. The instructor should be notified as soon as possible. **(Do not wait until the next week!)** Every effort will be made for the student to make up missed work either in another lab section or on their own as long as: 1) advanced notice is provided and 2) the student has a legitimate reason to be absent from lab. *For each unexcused absence from lab, the student will be penalized 5% of the total course grade.*

Reminder: All students are bound by the standards of the Academic Honor Code, found at www.goucher.edu/documents/General/AcademicHonorCode.pdf