BIO 52: Experiments in Cell Biology
SYLLABUS

DATE	TOPIC	NOTES
Jan. 17	ML/EM: Introduction/ Syllabus/lab notebook/Lab safety/ academic honesty/overview of designing experiments	General information handouts-syllabus, lab safety, experimental design Handouts for: pH,/buffers, microscope lab
Jan. 24	ML: pH and buffers Light microscopy	Handout for: regeneration lab (part 1)
Jan 31	EM: Regeneration or other (PART 1)	Handout for: regeneration lab (part 2) Choose partner for independent experiment 1
Feb. 7	EM: Regeneration or other (PART 2)	**Due: Proposals for independent experiment 1**
Feb. 14	EM Meet to confirm independent experiment	Handout for: "How to write a lab report"
Feb. 21 	**MONDAY SCHEDULE NO LAB TODAY**	**DUE before 3:00 p.m. – DUE: homework for Regeneration lab** located in DANA 120. Please ask the staff assistant to sign and record time
Feb. 28	EM Student-designed experiments - week 1	Plant seeds for March 13 chromatography
March 6	EM Student-designed experiments – week 2)	Handout for: "Handout on chromatography"
March 13	ML: chromatography of plant pigments	Handout for PCR and DNA analysis **DUE: Lab report on independent experiment 1** Choose partner for independent experiment 1
March 21	**SPRING BREAK– NO LAB TODAY**	
March 28 	ML: PCR of foods	**DUE: chromatography homework** **DUE: Proposals for independent experiment 2**
April 3	ML: DNA analysis of PCR products/bioinformatics	ML will meet with each group individually to discuss students' experimental topic proposals
April 10	Student-designed experiments - week 1 ML	Handout of: "How to give an effective presentation" – and assignment/exercise due 4/17/07
April 17	Student-designed experiments - week 2 Topic - Effective presentations (**We will ALL meet in lab today**) ML	**DUE: PCR homework** Note: will be videotaped
April 24 	ML/: **Oral presentations** of independent projects, 10 minutes for each group	**DUE at 12:30 p.m.** **INDEPENDENT STUDENT PROJECTS LAB REPORT (#2) and Oral presentation**