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BIOL 131-01, Biology I, Laboratory syllabus, Fall 2004

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Biology I
Fall 2004
Laboratory Syllabus

Biology 131

This is the syllabus for the laboratory portion of Biology I. If you would like to see the syllabus for the lecture portion of the course click on lecture: [Lecture](#)

Laboratory does not start until the week of September 3rd.

Instructors:

Tuesday: Dr. Chuck Stinemetz, FJ128W, x3560

Wednesday: Dr. Gary Lindquister, FJ108W, x3564

Thursday: Dr. Jay Blundon, FJ142W, x3562

Dr. Lisa Kadlec, FJ114W, x3699

Access to laboratory materials: Print the instructions for each exercise prior to coming to lab. Do not print the laboratory more than one week in advance of the lab (instructions are subject to change). Additional supplemental materials such as PowerPoint presentations, class spreadsheets, and microscope images are available on the campus network: Microsoft Windows
Network/Rhodes/Fileserver1/Acad_Dept_Pgm/Biology/Biology I
Laboratory/Public.

Week	Laboratory	Exams	Links
Sept. 2,3,4	Determining the Activity of the Amylase Enzyme		Lab , Pipets
Sept. 9,10,11	Testing Factors that May Alter the		Lab

	Activity of Amylase		
Sept. 16,17,18	Analysis and Graphing of Amylase Results, Literature Searches, Poster Presentations		Lab , Posters , Presentations , Excel , Literature Citations
Sept. 22,23,24	Scientific Meeting I (Posters)		
Sept. 30, Oct. 1,2	"Drop Out" Media Plating	Exam I	Lab , Aseptic
Oct. 7,8,9	Plasmid Transformation		Lab , Sequences
Oct. 14,15,16	Assay for Transformants, Introduction to BLAST Searches		Lab , BLAST , Powerpoint , Presentations
Oct. 21,22,23	No Laboratory (Fall Recess)		
Oct. 28,29,30	Meeting II (Power Point Presentation)		
Nov. 4,5,6	Effect of UV Irradiation on Cell Growth (Dilutions, Serial Plating)		Lab
Nov. 11,12,13	Effect of UV Irradiation on Cell Growth (Assay Irradiation Effects)		Lab
Nov. 18,19,20	Conduct Group Experiments		
Nov. 25,26,27	No Lab (Thanksgiving break)		
Dec. 2,3,4	Irradiation Papers Due		
Dec. 8, 9, 10	By appointment - sign up sheet	Exam II	

Grading:

Your grade will be based upon your performance on two laboratory examinations, a group poster presentation, a group oral presentation, and an individually written paper. Each of the laboratory examinations will count as 15% of your grade. The poster and oral presentation will each contribute 20% to your final lab grade. The grade on your paper will determine 30% of your final grade. Absence from a laboratory will result in a mandatory 5%

reduction in your final grade. Your final grade may also be lowered if you are chronically late to lab.