

Biology I  
Fall 2006  
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 August 28

**Faculty:**

Prof. Gary Lindquester, FJ108W, x3564 (Lab administrator, Tuesday lab instructor)

Prof. Tony Becker, FJ102E, x3431 (Tuesday lab instructor)

Prof. Jim Armacost, FJ114W, x3699 (Wednesday and Thursday lab instructor)

Prof. Jay Blundon, FJ142W, x3562 (Thursday lab instructor)

**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
Aug. 29,30,31	Determining the Activity of the Amylase Enzyme		<a href="#">Lab</a> <a href="#">Pipets</a>
Sept. 5,6,7	Testing Factors that May Alter the Activity of Amylase		<a href="#">Lab</a>

Sept. 12,13,14	Analysis and Graphing of Amylase Results, Literature Searches, Poster Presentations		<a href="#">Lab</a>  <a href="#">Posters and Literature Citations</a>  <a href="#">Printing</a>  <a href="#">About Plagarism</a>
Sept. 19,20,21	Scientific Meeting I (Posters)		<a href="#">Evaluation (sample form)</a>
Sept. 26,27,28	"Drop Out" Media Plating	Exam I	<a href="#">Lab</a>  <a href="#">Aseptic</a>
Oct. 3,4,5	Plasmid Transformation		<a href="#">Lab</a>  <a href="#">Sequences</a>
Oct. 10,11,12	Assay for Transformants, Introduction to BLAST Searches		<a href="#">Lab</a>  <a href="#">BLAST</a>
Oct. 17,18,19	No Laboratory (Fall Recess)		
Oct. 24,25,26	Meeting II (Power Point Presentation)		
Oct 31 Nov. 1,2	Effect of UV Irradiation on Cell Growth (Dilutions, Serial Plating)	Exam II	<a href="#">Lab</a>
Nov. 7,8,9	Effect of UV Irradiation on Cell Growth (Assay Irradiation Effects)		<a href="#">Lab</a>
Nov. 12- Dec. 1 by appointment	Conduct Group Experiments		<a href="#">Lab Reports</a>
Nov. 21,22,23	No Lab (Thanksgiving break)		
Dec. 6, 4:00	Irradiation Papers Due		

p.m.			
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### 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 5% reduction in your final grade. Your final grade may also be lowered if you are chronically late to lab. The grading scale for the laboratory is the same as that used in the lecture portion of the course.