



## **COURSE INFORMATION for BIOL 1408L: General Biology I Laboratory**

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### **INSTRUCTOR INFORMATION**

Instructor: Ms. Ann B. Mayo  
Office Location: Adjunct's Office, ESEE 2302A  
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### **BASIC COURSE INFORMATION**

Course title: General College Biology I Laboratory  
Course number and section: BIOL 1408L-40245  
Laboratory Room: ESCT 3130  
Calendar Dates of Course: August 27, 2013 – December 6, 20123

### **Required laboratory manual:**

General College Biology Laboratory Manual, Huse and Morgan, 3<sup>rd</sup> edition Fountainhead Press, 2009.

\*Students are required to bring a new, clean lab manual or clean copies of the lab exercises to each laboratory period and to read the exercises prior to lab. It may be possible to complete some of the exercise prior to the laboratory meetings as well – this is advised.

Optional:

Van de Graaff and Crawley, A Photographic Atlas for the Biology Laboratory, Morton Publishing.

**Course Description:** Introductory biology laboratory for the non-science major considers the careers in science; the use of the microscope; cells structure and function; tissues (histology); an overview of major animal organ systems, and; the identification of trees.

The material will be presented in tutorial styled lecture with hands on work. Students will make a brief presentation on a career in biological sciences.

**Grade Evaluation:** Laboratory will be counted as 30% of the overall course grade.

Lab Course Grading:

Quizzes and Assignments	60 points (20%)
Participation	30 points (10%)
Midterm Exam	105 points (35%)
<u>Final Exam</u>	<u>105 points (35%)</u>

Total	300 points (30% of total grade)
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Overall Course Grading:

Lab	30%
Lecture	70%

**Important Class Dates**

Audit Registration	August 23, 2013
First Day of Classes	August 26, 2013
Labor Day	September 2, 2013
Census Date	September 15, 2013
Course Drop Deadline	November 9, 2013
Thanksgiving	November 9 – 12, 2013
Final Exams for Classes	December 9-12, 2013
Laboratory Grades Due	December 9, 2013
Final Grades Due	December 13, 2013

## Generic Fall 2013 Biology 1408 L Syllabus

WEEK	TOPICS/ASSIGNMENT/POINTS
1: Aug 26 – 30	Orientation Ex. 1: Biology Lab Policies & Procedures Ex. 2: Care and Use of the Microscope SLC Microscope Training – <b>Assignment 1</b> due by Week 5  ***Pick up SLC Assignment for Next Week***
2: Sept 2 – 6	Science Learning Center (T3205) Assignment – <b>Assignment 2</b>
3: Sept 9 – 13	Ex. 13: Tree Diary (Assignment 3) <b>*Quiz 1</b> <b>* Assignment 2 Due</b>
4: Sept 16 – 20	Ex. 3: Exploring the Cell <b>* Quiz 2</b>
5: Sept 23 – 27	Science and the Scientific Method (handout) <b>*Quiz 3</b> <b>Assignment 1 Due</b>
6: Sept 30 - Oct 4	Plant Cells, Photosynthesis, and Solutions (handout) (get results for Science and the Scientific Method) <b>Assignment 3 (Tree Diary Due)</b>  *** Pick up SLC Assignment 4 for Next Week ***
7: Oct 7 – 11	Review for Midterm in SLC <b>Quiz 4</b> <b>Quiz 5 (Review)</b> Science Learning Center (T3205) <b>Assignment 4</b>
8: Oct 14 – 18	<b>MID-TERM LAB PRACTICAL</b> (includes all topics above)
9: Oct 21 – 25	Ex. 4: Cell Cycle
10: Oct 28 – Nov 1	Exploring the Macromolecules of Life (handout) <b>*Quiz 6</b> <b>*Assignment 5 – 10 pts. for completing the Mitotic Phases</b>
11: Nov 4 – 8	Ex. 5: Genetics <b>Quiz 7</b>
12: Nov 11 – 15	How Populations Evolve (handout) <b>Quiz 8</b> <b>*Assignment 6 – Genetics Problems (20 points)</b>
13: Nov 18 - 22	Ex. 14: Careers in Science <b>Quiz 9</b> <b>Quiz 10 (Review)</b> <b>*Assignment 7 – 10 pts. – presentation of career</b>  *** Pick up SLC Assignment for Next Week (due at Final Exam)***
14: Nov 25 – 29	Science Learning Center Assignment (T3205)- <b>Assignment 8</b> AND THANKSGIVING HOLIDAY
15: Dec 2 - 6	<b>FINAL LAB PRACTICAL</b>