

## Valdosta State University, BIOL 1107 Sections M & N, Fall 2013 Laboratory Syllabus & Policies

Lab Instructor: Dr. Emily Cantonwine

Office: BC 2031

Phone: (229) 333-5337

Email: [egcantonwine@valdosta.edu](mailto:egcantonwine@valdosta.edu)

Office hours: Tuesdays 10-12 & 2-4

### Required Text

R.H. Goddard. 2011. Methods and Investigations in Basic Biology. Sixth Edition. Hayden-McNeil Publishing, Plymouth, MI.

Lab Grade (25% of BIOL 1107 grade)  
Quizzes (12): 9 points each  
Lab assignments (3): 25 points each  
Lab Notebook (1): 25 points  
Lab assessment (1): 25 points

Average Percent Lab Grade = $((\text{total \# points earned} / \text{possible points earned so far}) * 100)$
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*Your lab grades will be posted to the BIOL 1107 section Grade Book on Blazeview*

**Lab quizzes.** There will be a 9 point quiz at the beginning of each lab session, so do not be late for lab! The quizzes will be based on material from the previous labs (7 pt) and the current lab (2 pt). Quizzes are open notebook, but the lab manual may not be used.

**Lab Assignments.** Each assignment is worth 25 points. For Freshman Learning Communities, these assignments may be a joint effort between BIOL 1100, MATH 1111, MATH1112, or ENGL 1101.

**Lab Notebook.** Students are required to keep a lab notebook in a ½" 3-ring binder. The lab notebook will be used on weekly lab quizzed and will be turned in the last day of lab to be graded. Your notebook grade will be based on completeness, accuracy, and order. More information can be found in the lab manual.

**Attendance Policy:** Students who miss two labs without an excuse or three labs total cannot receive a **lab grade** above a "D" (60%). Attendance will be recorded using the lab quiz, which will be given the first 10 minutes of the lab. So, do not be late to lab. In the event that a student misses a lab with an excuse, s/he should email the instructor within 24 hours of the missed lab. It is the instructor's prerogative to accept the excuse or not. **ABSOLUTELY NO LABORATORIES CAN BE "MADE UP."**

**Student Conduct:** Cell phone use is not allowed during lab. One point will be taken off of your quiz if a cell phone is observed during lab for any unapproved purpose. This includes, checking your text messages. Refer to the Lab manual for lab rules.

## Tentative Laboratory Schedule, BIOL 1107, Fall 2013

### LABORATORY EXERCISES:

Lab	Day:	Topic:	
1	Aug 12/14	Laboratory Introduction – What is Science	
2	Aug 19/21	Ex. 1 Introduction to the Use of the Scientific Method	<i>Quiz 1</i>
-----	Aug 26/28	Ex. 2 Basics of the Light Microscope.	<i>Quiz 2</i>
3	Sept 2/4	<b>Labor Day Week – No Labs</b>	-----
4	Sept 9/11	Ex. 3 Observation of Living Cells with Light Microscopy	<i>Quiz 3</i>
5	Sept 16/18	Ex. 5 Cellular Water Relations	<i>Quiz 4</i>
6	Sept 23/25	Ex. 4 Independent Group Microscope Project: Proposal	<i>Quiz 5</i>
7	Sept 30/Oct 2	Ex. 4 Independent Group Microscopy Project: Data collection lab	<i>Quiz 6, Assignment 1 assigned</i>
8	Oct 7/9	Ex.6 Protein extraction & quantification	<i>Quiz 7, Assignment 1 first draft due at beginning of lab, Assignment 1 final draft due Friday, Oct. 11, 1:00pm to the assignment box outside my office.</i>
9	Oct 14/16	Ex. 7 Enzymology: $\alpha$ -amylase activity	<i>Quiz 8</i>
10	Oct 21/23	Ex. 8 Enzymology: Investigation of the effects of temperature on enzyme activity	<i>Quiz 9 Assignment 2 assigned</i>
11	Oct 28/30	Ex. 10 Cell reproduction: Mitosis, Meiosis, & Cytokinesis	<i>Quiz 10, Assignment 2 first draft due at the beginning of lab, Assignment 2 final draft due Friday, Nov. 1, 1:00pm to the assignment box outside my office.</i>
12	Nov 4/6	Mendelian Genetics Lab – Handout	<i>Quiz 11, Assignment 3 assigned</i>
13	Nov 11/13	Crime Scene Lab part 1	<i>Quiz 12, Assignment 3 due</i>
14	Nov 18/20	Crime Scene Lab part 2; Turn in Notebooks; Lab assessment	<i>Quiz 13 (replacement quiz), Notebooks due, Assessment</i>
----	Nov 25/27	<b>Thanksgiving Holiday – No Labs</b>	-----