

## Valdosta State University, BIOL 1107 Section R Fall 2013 Laboratory Syllabus & Policies

Lab Instructor: Prafull C. Shah

Office: BC 2092

Phone: (229) 259-5035

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

Office hours: Wednesdays 4:00 PM to 5:30 PM or by appointment by Email.

### 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 = ((total # points earned / possible points earned so far) * 100)
---

*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 16	Laboratory Introduction – What is Science	
2	Aug 23	Ex. 1 Introduction to the Use of the Scientific Method	<i>Quiz 1</i>
3	Aug 30	Ex. 2 Basics of the Light Microscope.	<i>Quiz 2</i>
----	Sept 6	<b>Labor Day Week – No Labs</b>	-----
4	Sept 13	Ex. 3 Observation of Living Cells with Light Microscopy	<i>Quiz 3</i>
5	Sept 20	Ex. 5 Cellular Water Relations	<i>Quiz 4</i>
6	Sept 27	Ex. 4 Independent Group Microscope Project: Proposal	<i>Quiz 5</i>
7	Oct 4	Ex. 4 Independent Group Microscopy Project: Data collection lab	<i>Quiz 6, Assignment 1 assigned</i>
8	Oct 11	Ex.6 Protein extraction & quantification	<i>Quiz 7, Assignment 1 first draft due at beginning of lab, Assignment 1 final draft due Wednesday, Oct. 16, 1:00pm to the assignment box outside my office.</i>
9	Oct 18	Ex. 7 Enzymology: $\alpha$ -amylase activity	<i>Quiz 8</i>
10	Oct 25	Ex. 8 Enzymology: Investigation of the effects of temperature on enzyme activity	<i>Quiz 9 Assignment 2 assigned</i>
11	Nov 1	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 Wednesday, Nov.4, 1:00 pm to the assignment box outside my office.</i>
12	Nov 8	Mendelian Genetics Lab – Handout	<i>Quiz 11, Assignment 3 assigned</i>
13	Nov 15	Crime Scene Lab part 1	<i>Quiz 12, Assignment 3 due</i>
14	Nov 22	Crime Scene Lab part 2; Turn in Notebooks; Lab assessment	<i>Quiz 13 (replacement quiz), Notebooks due, Assessment</i>
----	Nov 29	<b>Thanksgiving Holiday – No Labs</b>	-----