

Valdosta State University, BIOL 1107 Laboratory, Sections M & N Fall 2011 Syllabus & Laboratory Policies

Lab: BC 1085

Section M, Tuesdays 9:30-11:20

Section N, Tuesdays 2:00-4:50

Lab Instructor: Dr. Emily Cantonwine

Office: BC 2031 or BC 2021 during office hours. See below.

Phone: (229) 333-5337

Email: egcantonwine@valdosta.edu (Responses to email and blazeview mail will occur during office hours only)

Office hours: Mondays, Wednesdays, & Thursdays 12:30-1:30 in room BC 2021, or by appointment. To make an appointment, send an email to my [valdosta.edu](mailto:egcantonwine@valdosta.edu) account with "appointment" in the subject line. I will respond at first convenience.

Required Text

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

Lab (25% of grade):

Quizzes (13): 9 points each

Lab Assignments (2): 50 points each

Lab Notebook: 50 points

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

BIOL-1107K-Principles of Biology I - FA2011-BIOL-1107K-M

BIOL-1107K-Principles of Biology I - FA2011-BIOL-1107K-N

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 50 points. Assignments will be due at the beginning of the following lab in which they were assigned. 5 points will be taken off for late assignments (10 minutes late – 24 hours late). Assignments will not be accepted after 24 hours without an acceptable & documented excuse.

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: Refer to the Lab manual for lab rules.

Tentative Laboratory Schedule, BIOL 1107, section M, N, FALL 2011

LABORATORY EXERCISES:

Lab	Day:	Topic:	Due Dates
1	August 16	Laboratory Introduction Ex. 1 Introduction to the Use of the Scientific Method	
2	August 23	Ex. 2 Basics of the Light Microscope.	
3	August 30	Ex. 3 Observation of Living Cells with Light Microscopy	
4	September 6	Ex. 4 Independent Group Microscope Project: Proposal	
5	September 13	Ex. 4 Independent Group Microscopy Project: Data collection lab (<i>Lab assignment 1</i>)	Assignment 1 due beginning of next lab
6	September 20	Ex. 5 Cellular Water Relations	
7	September 27	Ex. 6 Protein extraction & quantification	
8	October 4	Ex. 7 Enzymology: α -amylase activity	
9	October 11	Ex. 8 Enzymology: Investigation of the effects of temperature on enzyme activity (<i>Lab assignment 2</i>)	Assignment 2 due beginning of next lab
--	October 18	Ex. 9 Photosynthesis	
10	October 25	Fall Break – no lab	
11	November 1	Ex. 10 Cell reproduction: Mitosis, Meiosis, & Cytokinesis	
12	November 8	DNA fingerprinting & Ex. 12 PCR-Based VNTR Human DNA Typing	
13	November 15	Ex. 13 Genetically Modified Organisms part 1	<i>Notebooks due end of lab</i>
--	November 22	Thanksgiving Holiday	
14	November 29	Ex. 13 GMO part 2	