

**BIOL 1107 Laboratory, Section R
Fall Semester 2012**

Laboratory BC 1085: Tuesday 2:00 pm-4:50 pm

Instructor: Dr. Cristina Calestani
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Office hours:

Tuesday 10 am-12:15 pm
Wednesday 4:45 pm- 5:30 pm
Or by appointment (please send me an email to my valdosta.edu account with “appointment” in the subject line).

Required Text

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

ASSESSMENTS

Lab quizzes. There will be a 9 point quiz during the first 15 minutes of each lab session (except for the first day of class). 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 cannot be used.

Lab Assignments. Each assignment is worth 50 points. Information for each assignment will be provided during the lab.

Lab Notebook. Students are required to keep a lab notebook in a ½” 3-ring binder. The lab notebook will be used during the weekly lab quiz, 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.

GRADES

The laboratory grade is 25% of the final grade for the BIOL1107 course.

Quizzes (13): 9 points each (117 points total)
Lab Assignments (2): 50 points each (100 total)
Lab Notebook: 50 points

Total laboratory points: 267
Extra-credits: 8 points max.

Laboratory grade calculation: (Quizzes+ Assignments + Lab notebook + Extra-Credits)/267

Attendance Policy: Laboratory attendance is mandatory. Students who miss three labs, with or without a documented excuse, cannot receive a lab grade above a “D” (60%). Attendance will be recorded using the lab quiz, which will be taken during the first 15 minutes of the lab.

There are no make-ups for the laboratories.

Only make-up quizzes will be administered at any time during the semester at the discretion of the instructor. If you miss a lab you must provide documented evidence (e.g. note from a doctor) that circumstances beyond your control prevented you from coming to the lab. It is the instructor’s prerogative to accept the excuse or not. Failure to provide reasonable evidence will also result in a grade of 0 for the quiz.

Classroom Accommodations

Students requesting classroom accommodations or modifications due to a documented disability must contact the Access Office for Students with Disabilities located in Farber Hall. The phone numbers are 245-2498 (V/VP) and 219-1348 (TTY). For VSU’s Access Office please see <http://www.valdosta.edu/access/facresources.shtml>

Behavior in the Classroom

It is assumed that all students will act in a mature manner in the classroom, showing consideration for their peers and the instructor. Any student who consistently distracts other students or the instructor will be removed from the course. **All electronic devices must be turned off or set to silent mode in the classroom.**

Cheating or Plagiarism

Incidents of cheating or plagiarism will result in **an automatic F for the lab course and referral to The Office of Student Conduct for disciplinary action.** For VSU’s Academic Integrity Code please see <http://www.valdosta.edu/academic/AcademicHonestyPoliciesandProcedures.shtml>. For VSU’s Academic Honesty please see <http://www.valdosta.edu/academic/AcademicHonestyatVSU.shtml>.

Learning Support

- **The Student Success Center:** The Student Success Center (SSC) provides free peer tutoring in core courses, the top four of which are math, writing, Spanish, and biology/chemistry. It also offers time management and study skills workshops as well as provides free professional academic advising and on-campus job information in one location: Langdale Residence Hall. Help is available to all VSU students. Call 333-7570 to make an appointment, or visit the website: www.valdosta.edu/ssc.
- **Odum Library** provides a variety of services to assist classroom instruction, including library instruction, course reserves, and interlibrary loan. Please see <http://www.valdosta.edu/library/services/faculty.shtml> for further information.

Tentative Laboratory Schedule, BIOL 1107, section R FALL 2012

LABORATORY EXERCISES:

Lab	Day:	Topic:	Due Dates
1	Aug 14	Laboratory Introduction Ex. 1 Introduction to the Use of the Scientific Method	
2	Aug 21	Ex. 2 Basic Light Microscopy	
3	Aug 28	Ex. 3 Observation of Living Cells with Light Microscopy	
--	Sept 4	Labor Day week-no lab	
4	Sept 11	Ex. 4 Independent Group Microscope Project: Proposal and Data collection (<i>Lab assignment 1</i>)	
5	Sept 18	Ex. 5 Cellular Water Relations	Assignment 1 due
6	Sept 25	Ex. 6 Protein extraction & quantification	
7	Oct 2	Ex. 7 Enzymology: α -amylase activity	
8	Oct 9	Ex. 8 Enzymology: Investigation of the effects of temperature and pH on enzyme activity (<i>Lab assignment 2</i>)	
--	Oct 16	Fall Break – no lab	
9	Oct 23	Ex. 9 Photosynthesis	Assignment 2 due
10	Oct 30	Ex. 10 Cell reproduction: Mitosis, Meiosis, & Cytokinesis	
11	Nov 6	DNA fingerprinting & Ex. 12 PCR-Based VNTR Human DNA Typing	
12	Nov 13	Ex. 13 Genetically Modified Organisms part 1	
--	Nov 20	Thanksgiving Holiday week-no lab	
14	Nov 27	Ex. 13 Genetically Modified Organisms part 2	Turn-in Notebooks