BIOL 1107: Principles of Biology I Lab

Instructor: Dr. Theresa J. Grove
Office: BC 1099
Office hours: Tuesday 2:00-3:00 p.m. and Thursday 9:30-11:30 a.m. or by appointment
Email: tjgrove@valdosta.edu (do **NOT** email me on Blazeview)

LAB CONDUCT

- Arrive on time.
- Emailed assignments will not be accepted.
- *No eating or drinking during the lab. There are NO exceptions!*
- *Attendance is mandatory.* Excused absences are usually given for medical emergencies and documentation must be provided; the lab professor determines whether or not an absence is "excused" or not. If you miss three labs *for any reason* you cannot earn higher than a D for your final grade. Labs cannot be made up outside of scheduled laboratory sessions, and if you miss your regular lab period, you *cannot* come to another lab section. Students are responsible for all lab content even if they received an excused absence.
- Students must take care of lab equipment. Notify the professor if something is not working properly or if something breaks during the course of the lab.
- Students will be assigned a microscope. It is the student's responsibility to properly use the microscope. After lab the professor will check each scope to make sure that it was put away properly. Failure to do so will result in two (2) points being subtracted from the student's total lab points (not the final percentage) each week it is not put away properly. Notify the professor if your microscope is not functioning properly.
- Cell phones are not allowed to be used in lab with the exception of using them as timers, when necessary.

Academic conduct: Cheating and plagiarism will not be tolerated and may result in a failing grade for the assignment, exam, or the class. The Department of Biology has a plagiarism policy, which will be handed out during the first lab period.

Privacy Act (FERPA): The Family Educational Rights and Privacy Act (FERPA) prohibits the public posting of grades by social security number or in any manner personally identifiable to the individual student. No grades can be given over the telephone or over email because positive identification cannot be made.

Students with disabilities: Students requiring special accommodations because of disability must discuss their needs with me as soon as possible. Those needing accommodations who are not registered with the Special Services Program must contact the Access Office for Students with Disabilities located in Farber Hall. The phone numbers are 245-2498 (voice) and 219-1348 (tty).

Quizzes: Quizzes will be given at the start of most labs. Each quiz will be 10-20 points and will take about 10 minutes to complete. If you arrive late to lab you will not get extra time, and missed quizzes cannot be made-up for any reason. The quizzes will cover what was done in previous labs as well as the purpose of that day's lab.

Notebooks: Maintaining a scientific notebook is required by all students and will be collected 2x during the semester. More information will follow.

Independent Project: Students will conduct independent projects, and the results will be written up as a scientific paper, turned in for a grade, and given back to the student for revision and re-submitted for a second grade. More information will follow.

Other Assignments: Periodically throughout the semester other assignments will be given. These assignments will be due at the start of the following lab period. No late assignments and no emailed assignments will be accepted.

TENTATIVE LABORATORY EXERCISES:

Week	Date:	Topic:
1	August 12	Introduction to Science
2	August 19	**Exercise 1**: The Black Box
3	August 26	**Exercise 2**: Basic Light Microscopy
4	September 2	**NO LABS**
5	September 9	**Exercise 3:** Living Cells
6	September 16	**Exercise 5**: Cellular Water Relations **N1:** Notebook check # 1
7	September 23	**Exercise 4**: Independent project
8	September 30	**Exercise 4**: continued
9	October 7	**Exercise 6:** Protein Extraction and Quantification
10	October 14	**Exercise 7:** Enzymology – Measuring amylase Activity
11	October 21	**Exercise 8:** Enzymology – Effects of Temperature and pH
12	October 28	**Exercise 10**: Cellular Reproduction
13	November 4	**Handout:** Mendelian Genetics
14	November 11	**Exercise 12: DNA Fingerprinting**
15	November 18	**Data Analysis** **N2:** Notebook check # 2
16	November 25	**Thanksgiving Holiday- No labs**
16	December 2	**NO LABS: FINAL EXAM WEEK**