BIOL 1108 Principles of Biology II (4 credits)
Lab I, J, K Syllabus

Instructor: Dr. Catherine M. Bush
Office: Bailey Science 1108
Office hours: Wednesday and Friday 11-12 am; or by appointment
Email: cmbush@valdosta.edu

Lab (BC 1073): Section I – Monday 12.30 – 3.20 pm
                     Section J – Tuesday 9.30 – 12.20 pm
                     Section K – Tuesday 2.30 – 5.20 pm

Lab Conduct:

- Arrive on time. Assignments are due at the start of lab. Students arriving 10 minutes late will not be able to turn in assignments and will receive a zero (0) on those assignments
- It is strongly advised to maintain a laboratory notebook with drawings, descriptions, data etc. of the laboratory exercises. The notebook will help you study for the practicals.
- No eating or drinking during the lab.
- Attendance to lab is mandatory. Excused absences are usually given for medical emergencies and documentation must be provided; the professor determines whether or not an absence is excused or not. If a student misses three labs *for any reason* the student cannot earn higher than a D for his/her final grade. Except under extenuating circumstances, labs cannot be made up outside of scheduled laboratory sessions. Students are still 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 one (1) point 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.
- No copies of the lab will be handed out to students who forgot their labs books.
- Cell phones are not to be used in lab with the exception of using them as timers when necessary. Do _**NOT**_ text during labs!

Lab assignments and Lab Practicals:
Throughout the semester lab assignments will be given. Information on lab assignments will be handed out in lab and will involve analysis of laboratory exercises. These assignments are due at the start of the following lab period. No late assignments will be accepted (see above). Two lab practicals will be given (100 pts. each), one covering animals

and one covering plants. Questions may include microscope slides, whole specimens and a written component. To do well on practicals, it is critical that you take detailed notes in your lab notebook each session. Lab practicals can only be taken the week they are scheduled. More information will follow.

Calculating your lab grade:
To calculate your lab grade, add up all the points you earned on assignments and practicals and divide by the total number of possible points.

TENTATIVE LAB SCHEDULE AND TOPICS

Week of January 9	Introduction and Learn to Use Excel (Meet in Computer Lab room 3018) (Lab 1)
Week of January 16	NO LAB
Week of January 23	Diversity: Porifera and Cnidaria (Lab 8) Vertebrate Tissues
Week of January 30	Diversity: Platyhelminthes (Lab 9) Vertebrate Anatomy
Week of February 6	Sensory Systems and Muscle Structure and Function (Lab 10) Diversity: Annelida and Mollusca
Week of February 13	Cardiovascular System (Lab 11) Diversity: Nematoda and Arthropoda
Week of February 20	Digestive System and Excretory Systems (Lab 12) Diversity: Echinodermata and Chordata
Week of February 27	LAB PRACTICAL
Week of March 5	Non-Tracheophytes (Seedless Plants) (Lab 2)
Week of March 12	NO CLASS SPRING BREAK
Week of March 19	Tracheophytes (Vascular Land Plants) (Lab 3,4) Plant Anatomy-Roots, Stems and Leaves
Week of March 26	Angiosperm Development (Lab 5)
Week of April 2	Water Movement: Stomata and Transpiration (Lab 6)
Week of April 9	Plant Growth and Mineral Nutrition (Lab 6)
Week of April 16	Pollution: Effects of Chemical, Thermal and Acid Pollution (Lab 7)
Week of April 23	LAB PRACTICAL