

BIOL 1108 Principles of Biology II Laboratory Syllabus (Summer 2015)

Instructor: John Elder

Office: 2088 Bailey Science Center

Office hours: M,T,W,TH , 8:00am – 9:30am or by appointment

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Section A: **Tuesday and Thursday 11:10 -2:00 am , Room 1073 Bailey Science Center**

Text: Grove, T. 2013. **Principles of Biology Lab Manual for BIOL 1108, 3rd ed.**

Lab assignments, Quizzes and Lab Practical Exams:

Throughout the semester lab assignments, homework assignments and quizzes will be given (**worth a total of 50% of your lab grade** for all assignments). No late assignments will be accepted. Two lab practical exams will be given as scheduled, one covering animals and one covering plants (**Practical exam averages will be worth the remaining 50 % of your lab score**). Questions may include microscope slides, whole specimens and a written component. Absolutely no make up exams can be given. Lab practical exams are only set up once during the week they are scheduled.

Lab Conduct:

- **Cell phones are not allowed** to be used in lab. Using phones during lab will result in a 0 for the day – same as a missed lab – 3 will result in failing the course.
- No eating or drinking during the lab.
- 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. No late assignments will be accepted.
- Attendance to lab is mandatory. Excused absences are usually given only for medical or family emergencies and documentation must be provided. In these cases 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 for the 1108 course.** Labs cannot be made up outside of scheduled laboratory sessions. Students are still responsible for all lab content and assignments 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
- Each student 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 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.
- It is strongly advised to maintain a laboratory notebook with drawings, descriptions, data etc. of the laboratory exercises. The only requirements of the notebook are that it be a spiral bound notebook. The notebook will help you study for the practical exams.
- Study the materials – you will see them again on quizzes and exams.

Disruptive behavior: **No disruptive behavior of any kind will be tolerated in this course.** Students should restrict talking and discussion to pertinent questions related to course material and these questions should be directed toward the instructor. Entering a classroom late or early is discouraged. Any student disrupting lectures will be required to leave the classroom. Use of cellular telephones, pagers, or any similar remote communication device is prohibited during scheduled lectures, laboratories, or examinations. If students bring cellular telephones or similar devices to lecture, it is their responsibility to switch them off prior to the beginning of the lecture period. See your student handbook for specifics constituting disruptive behavior.

Cheating: **Students caught cheating will receive a grade of “F” for the assignment in question and possibly for the course.** Cheating will be reported to the Dean of Students. See your Student handbook for what constitutes catalogue cheating and plagiarism. See the student handbook for specifics constituting academic dishonesty and consequences. .

Student identification: Students should have in their possession at all times their VSU student identification card. In order to verify the identification of students officially enrolled in the course, it is the instructor’s prerogative to request official student photo identification cards at any time during lecture. During examinations, students will routinely be asked to display their VSU student identification cards visibly on the desk top and to make them available for inspection by their instructor and/or assistants.

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

Students with Disabilities: Students requesting classroom accommodations or modifications because of a documented disability must contact the Access Office for Students with Disabilities located in room 1115 Nevins Hall. The phone number is (229) 245-2498.

Biology Tutoring: The Student Success Center (SSC) at Valdosta State University is located in Langdale Residence Hall above the Tech Shop and is available to all students. The SSC provides free peer tutoring in core curriculum courses, including biology, chemistry, math, writing, and foreign languages. The SSC also provides free professional academic advising and on-campus job information in one location. Call 333-7570 to make an appointment, or visit the website: www.valdosta.edu/ssc.

TENTATIVE LAB SCHEDULE AND TOPICS

June 11 NO LAB

June 16 Introduction and Learn to Use Excel (Lab 1)

June 18 Non-Vascular Plants (Lab 2)

June 23 Vascular Land Plants (Lab 3)

June 25 Roots, stems and leaves (Lab 4)

June 30 Angiosperm Development (Lab 5)

July 2 Growth and Transpiration (Lab 6)

July 7 LAB PRACTICAL EXAM

July 9 Diversity: Porifera and Cnidaria (Lab 8a)
Vertebrate Animal Tissues (Lab 8b)

July 14 Diversity: Platyhelminthes (Lab 9a) Vertebrate Anatomy (Lab 9b)

July 16 Diversity: Annelida and Mollusca (Lab 10a)
Sensory Systems and Muscle Structure and Function
(Lab 10b)

July 21 Diversity: Nematoda and Arthropoda (Lab 11a)
Cardiovascular System (Lab 11b)

July 23 Diversity: Echinodermata and Chordata (Lab 12a)
Digestive System and Excretory Systems (Lab 12b)

July 28 LAB PRACTICAL EXAM