

BIOL 1108 Principles of Biology II (4 credits) Syllabus

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)

Lecture (BC 1023): Tuesday and Thursday 8:00 - 9:15 a.m.

Lab (BC 1073): Section A: Monday 9:00 - 11:50 p.m.

Section B: Monday 1:00 - 3:50 p.m.

Section C: Tuesday 9:30 a.m. - 12:20 p.m.

Prerequisite: BIOL 1107 (or the equivalent) or permission of the instructor.

Description: An introduction to physiological processes in plants and animals. Structure, nutrition, transport, coordination, reproduction, and development will be addressed.

Course goals and objectives: The primary goal of this course is to introduce physiological processes of plants and animals. This is the second introductory course, and it is expected that the student is familiar with topics covered in BIOL1107. By the end of the semester students should have sufficient background to successfully complete higher level courses that will cover specific topics in much greater detail.

The Department of Biology seeks to help develop general skills, such as communication skills and information processing skills. Communication skills will be exercised through laboratory assignments and lab practicals and lecture exams. Information processing skills will be developed because of the nature of biology. A lot of information will be given to students in a relatively short period of time, and students are expected to retain this information, not only for the final exam, but for future courses.

Learning goals include:

- Increase your understanding of structure-function relationships in biology
- Increase your understanding of the physiology of the major systems in plants and animals including:
 - Structure/function relationships
 - Nutrition
 - Transport
 - Movement
 - Reproduction
 - Development
 - Sensory systems
- Strengthen your ability to critically analyze scientific data and test scientific hypotheses
- Cultivate the linkage of biology with math, physics and chemistry.

These goals support the Department of Biology Education Outcome #2, #3 and #5 and VSU General Education #5.

Lecture Textbook: Life: The Science Biology by Sadava *et al.* 9th or 10th ed. Sinauer Associates, Inc.

Lab Manual: Principles of Biology II Lab Manual by T. J. Grove

Attendance: Attendance in lecture is expected by all students. Attendance in laboratory is mandatory; see lab policy below.

Access to Slides/Information: Lecture slides will be made available on BlazeView by 5:00 p.m. the day before lecture. These slides will not have all the information on them; it is the student's responsibility to come to class and take notes. Students are responsible for getting the notes from other students if they miss a lecture. I will NOT email notes that are missed, nor will let you copy my slides in my office.

Lecture Conduct:

- Arrive on time. Quizzes missed due to late arrival or leaving early cannot be taken at a later time.
- Do not use cell phones during lecture or lab unless I have given you permission.
- Don't talk during lecture; if you don't understand something or didn't hear something ask.
- Unless it's an emergency (and using your cell phone does not constitute an emergency) do not get up in the middle of lecture, leave and come back.
- Do not leave class early unless you have informed me prior to the start of the class or if it's an emergency.
- During exams NOBODY can leave the exam and re-enter the exam room. If a student leaves, their exam will be graded as is; the student will not be allowed to finish the exam.

Withdrawing from the course: The last day to withdraw without penalty is Thursday, October 3. If you don't officially withdraw, and instead just stop coming to class, you will earn an F for the course.

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. ~~5/11/16~~

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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 w

FALL 2013 TENTATIVE LECTURE SCHEDULE

August

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Introduction to Phylogenies

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