

BIOL 1108 Principles of Biology II (4 credits) Syllabus

Instructor: Dr. Theresa J. Grove
Office: BC 1099
Office hours: Tuesday 9:30-12:30 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: Wednesday 8:00 - 10:50 a.m.
Section B: Wednesday 11:00 - 1:50 p.m.
Section C: Wednesday 2:00 - 4:50 p.m.
Section D: Tuesday 3:00 - 5:50 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:
 - o Structure/function relationships
 - o Nutrition
 - o Transport
 - o Movement
 - o Reproduction
 - o Development
 - o 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.

Access to Slides/Information
lecture. These slides will not
take notes. Students are re
email notes that are missed

This semester I will be videotaping all lectures. The lectures will be placed on Blazeview using Share Stream and a URL will be available to the students to view lectures. The Media Center is doing all the conversions which will take "at least 24 hours".

Required Summative Quizzes: At the end of each chapter will be a summative quiz that you must take over the information covered in class. These are NOT optional, nor are they extra credit. Each quiz is worth 2 points for a total of 38 points.

Additional Assignments: Throughout the semester you will be given additional assignments may be given. These will be either optional (although strongly recommended) or required for points. Point value will vary.

If you purchased BioPortal for a previous class at VSU, you will be given access to Launchpad for no charge; see me for details.

Late Nite Labs: More information will be given during lab periods.

Exams: A total of 3 “regular” exams will be given during the semester. The final will consist of two exams: the 4th “regular” exam covering the 2nd half of the animal structure and function material, and a cumulative final covering ALL material from the lecture. The dates for three in-class exams are included in the Tentative Class Schedule. Note, that these are TENTATIVE; therefore I reserve the right to adjust the dates (or content) of the exams. All exams will consist mainly of multiple choice questions, but will have other question formats (e.g. fill in the blank, short answer, etc). There are no “dropped” exams. Students must notify the professor within 12 hours of missing a scheduled exam to reschedule the exam. Failure to notify the professor and reschedule the exam may result in a zero (0) for that exam. If you miss an exam, you may receive a different exam format (i.e. essay or oral). Exam grades will be returned in lab ~7 days after exam date, but students will not be allowed to keep exams.

Grade Scale:

For Biology majors, a grade of C or higher is required for this course.

- A 90-100%
- B 80-89%
- C 70-79%
- D 60-69%
- F < 60

To Calculate your Final Grade : **No late assignments of any sort will be accepted!**

Final grades will be based on both the lecture and laboratory components of the course. Grades will not be posted on Blazeview. Keep track of your grades as you receive them back; you can always stop by my office during office hours to check your grades. Lecture is worth 75% of your final grade, and lab is worth 25% of the final grade.

Lecture component:

Exams: 5 exams, each worth 100 points (500 points)

Quizzes: 7 quizzes each worth 5 points (35 points)

Clicker questions: no set number (~25 points)

Launchpad: Learning Curve pre and post-lecture assignments and quizzes (~100 points)

Extra credit points for lecture will be added to your total points earned in lecture.

Lab component:

Lab assignments (including Late Nite Lab assignments) and quizzes (variable points)

2 lab practicals (each worth 50 points; total 100 points)

Extra credit points for lab will be added to your total points earned in lab.

To calculate your final grade:

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FALL 2014 TENTATIVE LECTURE SCHEDULE