

# **BIOL 1108 Principles of Biology II (4 credits)**

## **Syllabus**

Dr. Theresa J. Grove  
BC 1099  
Tuesday 2:00-4:00 p.m. or by appointment  
tjgrove@valdosta.edu (do \_\_\_\_ email me on Blazeview)

Monday, Wednesday and Friday 9:00 - 9:50 a.m.

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

Section H: Tuesday 9:30 - 12:20 p.m.

Section I

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\_\_\_\_\_ . 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

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

Life: The Science Biology by

you have earned so far during your college career this may be of some use to you. Times will be announced on Blazeview.

During lecture approximately 15 quizzes each worth 5 points. Your highest 10 quiz scores will be combined for a 50 point grade that will be included in your final grade. Make-up quizzes for any reason are not available. The format of the quiz may vary and quiz dates will NOT be announced.

A total of 6 "regular" exams and 1 final exam will be given during the semester. The first 3 exams will be over animals, the next 3 exams will cover plants, and the final is cumulative. Each exam will be worth 100 points. Please note the dates for the "regular" exams in the Tentative Class Schedule. Note, that these are TENTATIVE; therefore I reserve the right to adjust the dates (or content) of the exams. The 3<sup>rd</sup> plant exam will be given during the time of the final. The decision to do this was based on MANY comments from students during previous semesters who thought that they did not perform well on exams when the last in-class exam was given on the last day of lecture and the final a couple of days later. The "regular" exams will consist mainly of multiple choice questions, but will have other question formats (e.g. fill in the blank, short answer, etc). The final will be all multiple choice. The lowest exam grade (out of all 6 exam grades) will be dropped. No make-up exams will be given. A missed exam (for any reason) will be the exam dropped.

Only students with a University related excuse may take an exam early. Exam grades will be returned in class ~7 days after exam date, but students will not be allowed to keep exams. The final is scheduled for Thursday, May 8 (8:00-10:00). No early exams will be given for starting summer break early.

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All bookbags, books, purses etc. must be placed in the front of the classroom; NO EXCEPTIONS. If you do not feel comfortable putting your purse, bag, books, etc. on the stage don't bring them with you to class. Hats and hoods cannot be worn during exams. All hands must remain above the desk at all times during exams.

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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%

## **Spring 2014 TENTATIVE LECTURE SCHEDULE**

### January

- 13 Introduction to Physiology and Phylogenies
- 15 Chapter 31 (excerpts): Introduction to Animals and Chapter 40: Homeostasis and the Role of Physiological Systems
- 17 **NO CLASS: BUT Extra Credit Assignment will be posted on Blazeview that will be due on Wed, 1-22**
- 20 Martin Luther King, Jr. Day—NO CLASS
- 22 Chapter 40 (cont'd) and Chapter 41: Animal Hormones
- 24 Chapter 41 (cont'd)
- 27 Chapter 43: Animal Reproduction
- 29 Chapter 43 (cont'd)
- 31 Chapter 45: Neurons and the Nervous System (will be on Exam 2)

### February

- 3 **Exam 1 (thru Animal Reproduction)**
- 5 Chapter 45 (cont'd) and Chapter 47: Mammalian Nervous System
- 7 Chapter 46: Sensory Systems
- 10 Chapter 46 (cont'd)
- 12 Chapter 48: Muscles
- 14 Chapter 48 (cont'd)
- 17 **Exam 2 (thru Muscles)**
- 19 Chapter 49: Gas Exchange
- 21 Chapter 49 (cont'd) and Chapter 50: Circulatory System
- 24 Chapter 50 (cont'd): Circulatory System
- 26 Chapter 51: Nutrition and Digestion
- 28 Chapter 51: Nutrition and Digestion (cont'd)

### March

- 3 Chapter 52: Salt and Water Balance
- 5 Chapter 52: Salt and Water Balance (cont'd)
- 7 Catch-up and Review
- 10 **Exam 3 (thru Salt and Water Balance)**
- 12 Chapter 28: Seedless Plants
- 14 Chapter 28 (cont'd)
- 17-21 SPRING BREAK—NO CLASS
- 24 Chapter 28 (cont'd) and Chapter 29: Evolution of Seed Plants
- 26 Chapter 29 (cont'd)
- 28 Catch-up and Review
- 31 **Exam 4 (thru Seed Plants)**

### April

- 2 Chapter 34: The Plant Body
- 4 Chapter 34 (cont'd)
- 7 Chapter 34 (cont'd) and Chapter 35: Transport in plants
- 9 Chapter 35 (cont'd)
- 11 Chapter 35 (cont'd) and Chapter 36: Plant Nutrition
- 14 Chapter 36 (cont'd)
- 16 Chapter 36 (cont'd)
- 18 Chapter 37: Regulation of Plant Growth
- 21 **Exam 5 (thru**