

**Biology 1020 Biodiversity Biology Lab**  
**Spring Semester 2012**  
**Biology Department, College of Arts and Sciences**  
**Valdosta State University**

**Instructor:** C. Heather Colson Hardy, DMD

**Office:** 111 Woodrow Wilson Drive, through March 1<sup>st</sup>  
3000 North Patterson Street, after March 1.

**Phone:** 229242-2449 Biology Dept. Main Office 333-5759

**E-mail:** [chardy@valdosta.edu](mailto:chardy@valdosta.edu)

**Room:** Science Building 1047

**Midterm:** March 3, 2012. This is the last day to drop this course and receive a withdrawal grade (W).

**Credit Hours:** 1

**Course Description:**

**Bio 1020L Biodiversity Lab**

**Co-requisite:** **Bio 1010.** This course cannot be taken for credit toward the major in biology. An introduction to the diversity of life on earth with a special emphasis on ecological and evolutionary processes and relationships.

**Course Objectives:** This course is designed to accompany Bio 1010 by presenting exercises that emphasize an introduction to the diversity of life on Earth with a special emphasis on ecological and evolutionary processes and relationships. Students will participate in the process of scientific inquiry by asking scientific questions, developing hypotheses, predicting outcomes of experiments, collecting and interpreting data and drawing conclusions from the results.

**Learning Goal:** Students will demonstrate understanding of the physical universe and the nature of science, and they will use scientific methods and/or mathematical reasoning and concepts to solve problems.

**Materials:** Biol 1020L Lab Manual, Revised 10/e – “Biodiversity: The Evolution and Diversity of Life” authored by the VSU Department of Biology.

**Attendance:** Attendance in lab is mandatory. **If you do not attend your regular lab section, you must**

**Grading:** Your final grade will be determined by laboratory quizzes, laboratory reports, homework assignments and daily participation grades. You will be told at the end of each lab what you will be responsible for the next lab period; whether it be a quiz or homework to turn in. **Quizzes are given at the beginning of each lab. If you are late to class or miss the class, you will not be able to make up the quiz.**



The lowest quiz or assignment grade will be dropped when calculating the student's final grade. If you miss the class completely, you are responsible for the material covered that class period and you must be prepared for the quiz the following class period.

**I will not accept assignments or a lab report from a class that you did not attend. I will not accept any late assignments either. You will receive a daily participation grade. Therefore, if you are not present you will receive a zero grade for the day.**

**Final Grades:** Final grades are based on the following cumulative point totals:

90 – 100% = A    80 – 89.99% = B    70– 79.99% = C    60 – 69.99% = D    Below 60% = F

**Cheating and Plagiarism:** Academic integrity is the responsibility of all VSU faculty and students. Faculty members should promote academic integrity by including clear instruction on the components of

**Students with Disabilities:**

|    |               |   |                        |
|----|---------------|---|------------------------|
| 8  | March 6 - 9   | Exercise 6: Kingdom Plantae: Bryophytes, Pteridophytes, Gymnosperms<br><i>Web: Lower Plants</i>   | 69 - 82                |
| 9  | March 12 - 16 | <b>Spring Break - No Labs this Week</b>   |                        |
| 10 | March 20 - 23 | Exercise 7: Kingdom Plantae: Angiosperm Development<br><i>Web: Angiosperms</i>  | 83 - 95                |
| 11 | March 27 - 30 | Exercise 8: Invertebrates<br><i>Web: Invertebrates</i>  | 97 - 125               |
| 12 | April 3 - 6   | Exercise 9: Phylum Arthropoda   | 127 - 138              |
| 13 | April 10 - 13 | Exercise 10: Georgia Ecology<br>MEET BEHIND THE REC CENTER/ WEAR LONG PANTS AND STURDY SHOES<br>Exercise 11: Food Webs<br><i>Web: Georgia Ecosystem</i> | 139 - 145<br>147 - 151 |
| 14 | April 17 - 20 | Exercise 16: Foraging   | 209 - 217              |
| 15 | April 24 - 27 | Exercise 17: Owl Pellet Analysis<br>Exercise 15: Animal Kingdom: Chordates<br><i>Web: Frog Dissection, Rat Dissection</i><br><i>Web: Owl Pellets</i>    | 195 - 207<br>169 - 193 |

**Bio 1020 Biodiversity Lab Spring 2012  
Room BC 1047**

|         | <b>Monday</b> | <b>Tuesday</b> | <b>Wednesday</b> | <b>Thursday</b> | <b>Friday</b>  |
|---------|---------------|----------------|------------------|-----------------|----------------|
| 8:00 AM |               | Bio 1020 Lab A | Bio 1020 Lab H   | Bio 1020 Lab M  | Bio 1020 Lab Q |
| 8:30 AM |               | Doscher        | Doscher          | Shiver          | Adhikari       |
| 9:00 AM |               | 8 - 9:50       | 8 - 9:50         | 8 - 9:50        | 8 - 9:50       |

|         |  |          |          |  |  |
|---------|--|----------|----------|--|--|
| 5:00 PM |  | 4 - 5:50 | 4 - 5:50 |  |  |
| 5:30 PM |  |          |          |  |  |

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_