

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

Instructor: Ms. Elizabeth Mercer

Office: Science Building 1218

Office Hours: W 10-11:30 or by appointment

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Room: Science Building 1047

Midterm: October 4, 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 arrange to make-up the lab before the end of the week. This must be in the week the lab is scheduled. As per University policy; a student who misses more than 20% of the scheduled classes of a course will be subject to receiving a FAILING grade in the course. (3 missed labs) If you are 10 minutes late to lab, you will be turned away from the lab. It will be your responsibility to contact me after class to arrange your attendance in another lab.**

Lab Make-

It is possible that the

be able to attend that lab. If this procedure is not followed, the student

should remind the other lab instructor to give a notl1tt thr17(he)7()JTJ 0.002 Tc 0.00029.885 0.D41 gi oo to veoiIaih oei(r)7(11(

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 academic integrity and clearly defining the penalties for cheating and plagiarism in their course syllabi. Students are responsible for knowing and abiding by the Academic Integrity Policy as set forth in the Student Code of Conduct and the faculty members' syllabi. All students are expected to do their own work and to uphold a high standard of academic ethics.

A student caught cheating on a quiz, lab report, or assignment will receive a grade of zero and may receive a failing grade (F) in the course.

Each student will be required to complete his/her own lab report or assignment for certain lab experiments. Many of the experiments will be conducted as groups; however, group lab reports or lab reports identical to others in the class are not acceptable. **If two or more students turn in identical or similar lab reports or assignments, those students will receive a grade of zero on the assignment.**

Disruptive Behavior: The academic community is under a strong obligation to protect the campus community from disorderly, disruptive, or obstructive actions which interfere with academic pursuits of teaching, learning and other campus activities. Therefore, any disruptive behavior in the laboratory that interferes with the teaching of the laboratory

Biology 1020 Laboratory Schedule– Fall 2012

*This is a tentative schedule subject to change at the instructors' discretion.

Week	Date	Lab Exercise	Pages
1	Aug 20 - 24	Syllabi / Laboratory Safety Guidelines Exercise 1: Classification Web: Lab Safety, Diversity Atlas Web: Preacher/Teacher	1 - 10
2	Aug 27 -31	Exercise 14: Morphological Variation of Mammals Web: Morphological Variation	163 - 167
3	Sept 3 - 7	Labor Day Week - Labs will not meet this week	
4	Sept 10 – 14	Exercise 2: Proper Use of a Microscope Exercise 3: Prokaryotes (Set up plates) Web: Parts of the Microscope & How to Use the Microscope Web: Prokaryotes	11 - 20 21 - 24
5	Sept 17 - 21	Exercise 3: Prokaryotes Web: Gram Staining	21 - 31
6	Sept 24 – 28	Exercise 4: A Modern Survey of Protistan Lineages Web: Protists	33 - 57
7	Oct 1 - 5	Exercise 5: Fungi (Set up plates)	59

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Room BC 1047

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 AM 8:30 AM 9:00 AM 9:30 AM		Bio 1020 F Wright 8 - 9:50		Bio 1020 Lab P Mercer 8 - 9:50	
10:00 AM 10:30 AM	Bio 1020 Lab A Doscher	Bio 1020 G Shiver	Bio 1020 L Doscher	Bio 1020 Lab Q	Bio 1020 Lab T

