

Biology 1020 Biodiversity Biology Lab
Summer Session I 2015
Biology Department, College of Arts and Sciences
Valdosta State University

Instructor: Dr. Teresa H. Doscher

Office: Science Building 1098

Office Hours: After class every day or by appointment

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Room: Science Building 1047

Midterm: March 5, 2015. This is the last day to drop this course and receive a withdrawal grade (W).

Credit Hours: 1

Course Time: MTWRF 11:15 – 1:05 pm, May 14 – June 4, 2015

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: The lab manual and text are mandatory.

Lab Manual: Biology 1020L Biodiversity Lab: The Evolution and Diversity of Life by Teresa H. Doscher

- It can be purchased at the VSU Bookstore. It is a loose leaf, 3 hole punched manual so you will need to put it in a small 3 ring binder along with some extra loose leaf paper for taking notes.

This class will also use the following text. The text is available free online, in a variety of formats, and a print version or mobile app are available to purchase.

Textbook: Concepts of Biology from OpenStax College, ISBN 1-938168-11-9,

<https://openstaxcollege.org/textbooks/concepts-of-biology>

Attendance: Attendance in lab is mandatory. **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.**

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.**

MAKE UP QUIZZES ARE NOT GIVEN SO DON'T ASK.

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 exercises or disturbs other students or faculty will not be tolerated. **Any student that disrupts the class will be removed from the class and possibly dropped from the course.** This student will also forfeit any points toward his or her grade from that day and will not be able to make up the lab. Refer to the Undergraduate Catalog for more information.

TEXTING OR USING YOUR PHONE WILL NOT BE TOLERATED DURING CLASS! YOU WILL BE ASKED TO LEAVE THE CLASS IF THIS POLICY IS BROKEN!

Family Educational Rights and Privacy Act of 1974: It is illegal to release personal information about an individual to others. **Grades, averages, and other information will not be released to anyone but that individual; therefore, no grades will be posted or given out over the phone or email.**

Students with Disabilities: Students requesting classroom accommodations or modifications due to a documented disability must contact the Access Office for Students with Disabilities located in the Farber Hall. The phone numbers are 245-2498 (V/VP) and 219-1348 (TTY).

Strategies Used to Support Learning : The Student Success Center: The Student Success Center (SSC) provides free peer tutoring in core courses, the top four of which are math, writing, Spanish, and biology/chemistry. It also offers Regents' Test Preparation, time management, and study skills workshops as well as provides free professional academic advising and on-campus job information in one location: Langdale Residence Hall above the Tech shop. Help is available to all VSU students. Call 333-7570 to make an appointment, or visit the website: www.valdosta.edu/ssc.

Bio 1020 Biodiversity Lab – Summer 2015
BC 1047

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

Day	Date	Lab Exercise	Pages
1	14-May	Syllabi / Laboratory Safety Guidelines Exercise 3: Prokaryotes (Set up plates)	17
2	15-May	Exercise 1: Taxonomy <i>Quiz on Syllabus</i>	1 - 8
3	18-May	Exercise 2: Microscopy <i>Turn in Taxonomy home work - pages 4 - 7</i>	9 - 12
4	19-May	Exercise 3: Prokaryotes <i>Quiz on Microscopy, turn in pages 13 - 14 (at the beginning of class)</i>	13 - 20
5	20-May	Exercise 4: Protists <i>Quiz on Prokaryotes, turn in page 22 (at the beginning of class)</i>	21 - 28
6	21-May	Exercise 5: Fungi <i>Quiz on Protists, turn in pages 29 - 31 (at the beginning of class)</i>	29 - 36
7	22-May	Exercise 6: Diversity of Plants <i>Quiz on Fungi, turn in pages 37 - 38 (at the beginning of class)</i>	37 - 45
8	25-May	Memorial Day - No Class	
9	26-May	Exercise 6: Diversity of Plants <i>continued</i> <i>Quiz on lower plants</i>	45 - 50
10	27-May	Exercise 7: Biodiversity of Invertebrates <i>Quiz on angiosperms, turn in pages 51 - 61 (completed in class)</i>	51 - 63
11	28-May	Exercise 7: Biodiversity of Invertebrates <i>continued</i> <i>Turn in pages 63 - 72 (completed in class)</i>	64 - 71
12	29-May	Exercise 8: Community Ecology MEET BEHIND THE REC CENTER/ WEAR LONG PANTS AND STURDY SHOES	73 - 74
13	1-Jun	Exercise 9: Variations Among Mammals <i>Quiz on terms on page 73 Community Ecology</i>	75 - 78
14	2-Jun	Exercise 10: Foraging <i>Quiz on Variations among mammals exercise 9</i>	79 - 84
15	3-Jun	Exercise 11: Biomes <i>Quiz on Foraging, turn in pages 85 - 89 (at the beginning of class)</i>	85 - 89

