

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

Instructors: Ms. Lynda Bernhardt; Dr. Emily K. Croteau
Office: Bailey Science Center 2025 (LB) or 1103 (EKC)
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Midterm: May 21, 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: Biol 1010. This course cannot be taken for credit toward the major in biology. This is 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 Biol 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. As per University policy; a student who misses more than 20% of the scheduled classes of a course may receive a FAILING grade in the course (i.e. 3 missed labs). If you are 10 minutes late to lab, you will be turned away from the lab.

Lab Make-up Policy: The privilege of making up a lab is not guaranteed and will be given at the discretion of the instructor given the limited seating in the labs. FYI, Biol 1020L Section A is FULL and therefore cannot accommodate other students. A lab exercise MAY ONLY BE MADE UP DURING THE DAY IT IS SCHEDULED. ONLY ONE (1) MAKE UP WILL BE ALLOWED PER SEMESTER.

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 is 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 during that class period and you must be prepared for the quiz the following class period.

Assignments or lab reports will not be accepted from a class that you did not attend. Late assignments will not be accepted either. You will receive a daily participation grade. Therefore, if you are not present you will receive a zero grade for the day.

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

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.

Cell Phone Use:

TEXTING OR USING YOUR PHONE WILL NOT BE TOLERATED DURING CLASS! YOU WILL BE ASKED TO LEAVE THE CLASS IF THIS POLICY IS BROKEN AND WILL RECEIVE A **1%** DEDUCTION FROM YOUR FINAL GRADE PER OFFENCE.

How to Write an Email:

When emailing either instructor please address them in the email and use proper email etiquette as follows:
Dear Ms. Bernhardt,

Body of text

Sincerely (or Yours Truly, etc...),
Your Name

Failure to follow this policy may result in your email going unanswered.

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.

Biology 1020 Laboratory Schedule- Maymester 2012

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

Day	Date	Lab Exercise	Pages
1	May 11	Syllabus/Laboratory Safety Guidelines Exercise 3: Prokaryotes (Set up plates) <i>Web: Lab Safety, Diversity Atlas</i> <i>Web: Preacher/Teacher</i>	21-24
2	May 14	Exercise 1: Classification	1-10
3	May 15	Exercise 2: Proper Use of a Microscope <i>Web: Parts of the Microscope & How to Use the Microscope</i>	11-20
4	May 16	Exercise 3: Prokaryotes <i>Web: Gram Staining</i>	21-31
5	May 17	Exercise 4: A Modern Survey of Protistan Lineages <i>Web: Protists</i>	33-57
6	May 18	Exercise 5: Fungi <i>Web: Fungi</i>	59-68
7	May 21	Exercise 6: Kingdom Plantae: Bryophytes, Pteridophytes, Gymnosperms <i>Web: Lower Plants</i>	69-82
8	May 22	Exercise 7: Kingdom Plantae: Angiosperm Development <i>Web: Angiosperms</i>	83-95
9	May 23	Exercise 8: Invertebrates <i>Web: Invertebrates</i>	97-125
10	May 24	Exercise 9: Phylum Arthropoda	127-138
11	May 25	Exercise 10: Georgia Ecology MEET BEHIND THE REC CENTER/WEAR LONG PANTS AND STURDY SHOES Exercise 11: Food Webs <i>Web: Georgia Ecosystems</i>	139-145 147-151
12	May 28	Memorial Day Holiday - No Class	
13	May 29	Exercise 16: Foraging	209-217
14	May 30	Exercise 17: Owl Pellet Analysis <i>Web: Owl Pellets</i>	195-207

