

**Spring 2012****Instructor: Krista M. Granieri****Office: D115A****Email: [granierik@smccd.edu](mailto:granierik@smccd.edu)****Website: <http://www.schoonerchantal.com/granieri.html>****Office Hours: Mon & Wed 11:30am -12:00pm + by email anytime****Lecture: Monday & Wednesday 12:00-1:15pm Rm: D115****Lab: Monday & Wednesday 1:30-4:20pm Rm: D115**

Biology 1B is a continuation of Biology 1A. A grade of C or better in Biology 1A is prerequisite to enrolling in Biology 1B. During the Spring Semester we will study plant and animal biology. Then we will synthesize all we have covered by discussing animal behavior, ecology, and evolution. The second half of the semester will incorporate much fieldwork. At the end of the semester each student will perform a research project of her/his own design. For these reasons, at the beginning of the semester students should pay close attention to scheduling. To facilitate these studies, we will have lectures, laboratory exercises, student oral reports, discussions, and exams.

**Text:**

Biology – Cambell, Reece & Mitchell. 8<sup>th</sup> Edition 0-32-154325-4

**Lab Manual:**

Investigating Biology Lab Manual – Morgan & Carter 6<sup>th</sup> Edition 9780321536600

**Required supplies:**

A calculator with log and scientific notation functions-bring it to every lab period

A bound lab notebook (the black & white ones with lined or grid paper)

Various field trip supplies/fees

**Course Objectives:**

1. Describe or demonstrate an understanding of Taxonomy and Phylogeny of extant organisms.
2. Demonstrate an understanding of the ecology and metabolic needs of the various groups of extant organisms.
3. Demonstrate mastery of laboratory techniques appropriate to ecology, botany and evolutionary biology.
4. Understand how the scientific method relates to the study and understanding of ecology, botany and evolutionary biology historically and in modern day applications.
5. Be knowledgeable of industrial, technological and clinical applications of ecology, botany and evolutionary biology.

**Grading Protocol: Your grade will be based on the following:**

**Lecture:**

Lecture Exams (4 @ 175pts)	700
Research Project	100
<b>Lecture Total</b>	<b>800</b>

**Lab:**

Labs	170
Lab Exams (4 @ 25pts)	100
Pre- Labs (7@5pts each)	35
Case Studies (3 @10ptseach)	30
Phylogenetics Project	20
Movie Notes (2@10pts each)	20
Salmon Project	25
<b>Lab Total</b>	<b>400</b>

**Important Notes:**

Class Attendance Policy: Students are expected to attend lecture and laboratory periods regularly. If you must miss a lecture, be sure to get the notes from a classmate. Do not email me to ask me what you missed. It is your responsibility to get the notes and information from a classmate. If you miss a lab, let me know ASAP. If you miss three labs, you will be dropped from the course.

**MISSED EXAMS:** If you miss an exam (for a valid & documented medical/emergency reason) AND contact me within 24hours, I will *try* to arrange an alternate time (no guarantees). If you miss more than one exam or if you miss the final you will not pass the course.

Disability Resources: If you have a documented disability and need accommodations for this class, please see me as soon as possible or contact the Disability Resource Center (DRC) for assistance. The DRC is located in Bldg. 16 Rm. 150 (650) 574-6438; TTY (650) 574-6230.

Cheating Policy: College of Alameda (and this instructor) has a strict no cheating policy. Students found cheating on class examinations, quizzes or homework will fail the assignment and may be expelled from this class and/or the college.