

31770 Biol 210 AA
MWF 10:10–11:00 AM
TT 11:10–2:00 PM
Rm. 36-223
Last “W” April 29th
Final: 24 May 2010



<http://www.smccd.net/accounts/bucher>

Prof. Michael Bucher
Office hours in 36-205c:
MW 11:10–12:00 AM
☎650.574.6516
zoology@gmail.com
TT in ISC 2:10–3:00

TEXTS AND MATERIALS: (REQUIRED)

Zoology, 8th Ed., Miller and Harley, WCB, 2010

Laboratory Studies in Integrated Principles of Zoology, 14th Ed., Hickman, Hickman & Kats, WCB, 2009

Laboratory notebook with bound, unlined pages, “surgical” gloves (beginning March 2nd).

RECOMMENDED: A “flash drive” for file transport will be useful in this class and others. A dissecting kit may be needed if timely cleaning & drying of provided equipment is not consistently done.

GRADING: Grades are mainly determined objectively through accumulation of points earned on lab reports, five exams, a final and other written assignments. Points earned divided by points possible will yield a percentage which may be compared to the following standard:

A = $\geq 90\%$ B = 89–80% C = 79–65% D = 65–51% F = $\leq 50\%$

MAKE UP EXAM POLICY: Missed exam can rarely be made up (less 14%), if arrangements are made in a timely fashion.

COURSE CONDUCT: The substance of the course is communicated through reading assignments, conversations, case studies, lab & field activities. It is critical that you complete the assigned reading before coming to class and be on time.

HOUR BY ARRANGEMENT: The granting of college units presumes that a student devotes 2 hours in preparation for each hour scheduled for lecture. This course requires one additional “hour by arrangement” per week (on average): time spent in a variety of learning activities (computer simulations, tutorials, completion of group work); some of this may be done in the Integrated Science Center (36-110), the library or other venues.

STUDY GROUPS: Although assistance may become available in the Integrated Science Center (36-110), it is suggested that you also cultivate partnerships among your classmates. Research shows that both the stronger and weaker students in such teams benefit.

POLICY ON PLAGIARISM AND CHEATING: Except where specifically indicated by the instructor on group projects, it is expected that each student will do his/her own work. Copying and other forms of intellectual dishonesty is prohibited, will not be tolerated, and may lead to appropriate disciplinary action.

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

ATTENDANCE: No part of the grade is directly based on attendance, but time on task* is a major factor of success and you can be dropped for excessive absences. You are responsible for all material presented in class, including announcements about procedures and changes. Exams and homework can depend on material presented only in class, indirectly reflecting attendance.

WITHDRAWAL POLICY: If you drop after April 29, 2010, officially or by walking away, a grade of “W” is possible only (by petition with limitations) from the registrar’s office. Instructors cannot assign a grade of “W” after April 29th.

STUDENT LEARNING OBJECTIVES: By the end of this course students will be able to: 1) **demonstrate** an understanding of the scientific method, specifically developing proficiencies on performing, documenting, and analyzing laboratory methods and experiments; 2) **understand** the organization of life from molecules and cells to organisms and ecosystems and how the interactions of these levels have shaped life on earth, specifically: a. recognizing and comparing the characteristics (anatomy & physiology, ecological niche, behavior, etc) that optimize the ability of an animal to survive in its environment, b. developing an appreciation of the ecological importance of animals; 3) **understand/describe** the relationship between structure and function in the organization and survival of animals and each major animal group; 4) **understand/describe** the principles of evolution and the evolutionary relationships among animal groups; 5) **develop** an appreciation for animal diversity through in-depth study of animal taxonomy and systematic.