

## **BIOLOGY 18 - ADAPTATION AND THE ORGANISM - SPRING 2008**

### Professors:

Ethan J. Temeles, LSB 225, x8322, ejtemeles@amherst.edu,  
office hours: MT10:00-11:00 and by appointment

Michael E. Hood, LSB 325, x8538, mhood@amherst.edu,  
office hours: Friday 1:00-3:00 and by appointment

Julie A. Emerson, LSB 322, x8381, jemerson@amherst.edu,  
office hours: Wednesdays and Fridays 10:30-11:30 AM, and by appointment

Lecture TAs: Hilary Haimes and Samantha Ostrowski

Lecture: MWF 12:00-12:50 pm, Merrill 2

4th hour: meets occasionally T 1-1:50 pm, Merrill 2

Laboratory: Life Sciences Building 234, TWThF 2-5 pm (labs begin the week of January 28th)

Required readings: Sadava et al., *Life: The Science of Biology*, 8th edition (available at Jeffery Amherst Bookshop); occasional additional readings will be made available in class or electronically on the Blackboard site.

Course requirements: There will be three 50-minute, in-class exams each worth 100 pts. All exams are non-cumulative. There is no final exam. Exams will cover material from lectures, readings and films. Make-up exams will not be given unless there is a legitimate excuse, you let us know well in advance of the exam, and have a letter from the Dean of Students. Problem sets, designed to help you practice the more difficult concepts, will also be assigned. Solutions to lecture problem sets will be given during the 4th hour section. Attendance at your scheduled laboratory section is required. There are also several required assessments of laboratory work, including a practical laboratory exam. Note that most of the animal diversity labs are dissection based; please contact your lab instructor if you have any questions.

Grades: A total of 500 points will come from course work. Each of the three exams is worth 100 points. A total of 200 points will come from lab work, divided as follows: goldenrod gall lab report (45 pts), phylogeny lab (15 pts), plant diversity essay (15 pts), invertebrate lab quizzes (45 pts), microbial and fungal diversity lab (15 pts), vertebrate morphology lab (20 pts), and the vertebrate organ systems lab exam (45 pts).

Intellectual responsibility: Make certain you are aware of the Amherst College Honor Code (<http://www.amherst.edu/~dos/conduct/rightsrespon.html>). For your lab reports, you may collaborate with other students and certainly with your lab partner, but these exchanges should be cooperative efforts. That is, your collaboration should include the exchange of ideas and information with others, and then writing down *in your own words* what you did, inferred, or concluded. If you do collaborate with others on assignments that are turned in individually, indicate the name of the person(s) with whom you worked. Identical sentences or paraphrased paragraphs will be taken as evidence for copying the work of others and handing it in as your own. For more information on what constitutes plagiarism, consult the following web page: <http://www.amherst.edu/~dos/plagiarism/index.html>. Violations of the Honor Code will be reported to the Dean of Students; penalties may include a failing grade for the assignment or for the course.