

**BILD 3 Organismic and Evolutionary Biology, Ecology and Behavior**  
Spring 2012 Price Auditorium TTh 8:00AM-9:20AM  
Dr. Therese Ann Markow, Muir Biology Building 2215, tmarkow@ucsd.edu

BILD 3 deals with the living world at the levels of whole organisms, populations, communities, & ecosystems. It is designed to introduce students to the history & diversity of life on earth & the fields of evolution, systematics, ecology, and behavior. Such knowledge is essential for understanding biology in general, & provides the tools for our stewardship of the planet's biota & the sustainability of the ecological services we take for granted. It also provides a basis for understanding our own species & our impact on global climates, mass species extinctions, large-scale environmental alterations, pest outbreaks & emergent diseases.

**TENTATIVE SCHEDULE**

**CLASS MEETING**

**REQUIRED READING**

April 3 Introduction	
April 5 EVOLUTION	Chapter 22
April 10 EVOLUTION	Chapter 22
April 12 EVOLUTION	Chapter 23
April 17 EVOLUTION	Chapter 26
April 19 EVOLUTION	Chapter 24
April 24 EVOLUTION	Chapter 25

**April 26 MIDTERM 1 (Chapters 22-26)**

May 1 ORGANISMAL DIVERSITY	Chapters 27, 28
May 3 ORGANISMAL DIVERSITY	Chapters 29, 30, 31
May 8 ORGANISMAL DIVERSITY	Chapters 32,33,34
May 10 ORGANISMAL DIVERSITY	Chapter 52
May 15 ORGANISMAL DIVERSITY	Chapter 53
May 17 PHYSICAL ENVIRONMENT	Chapter 54

**May 22 MIDTERM 2 (Chapters 27-34 and 52-54)**

May 24 POPULATION ECOLOGY	Chapters 53, 54
May 29 COMMUNITY ECOLOGY	Chapter 54
May 31 ECOSYSTEM ECOLOGY	Chapter 55
June 5 CONSERVATION	Chapter 56
June 7 HUMAN EVOLUTION & ECOLOGY	

**June 14 FINAL EXAM 8:00AM-11:00AM**

**Textbook:** Campbell Biology, 9th edition (**required**). The course will cover material from chapters 22-34 and 52-56. The publisher offers various supplemental materials including a CD, a web site called Mastering Biology, and a book of exercises. These supplemental materials may be useful to you, but they are NOT required.

**GRADING:** Your grade will be determined as follows:

Exams: 60%

Class participation: 20%

Discussion section (TA): 20%

**Exams:** There will be three exams for the course, two midterms and a final. Each will count for 20% of your grade. The multiple choice exams will be based exclusively upon the reading material assigned from the textbook for that period. The final is not cumulative. Together the three exams will count for 60% of the grade. I do not grade on a curve, but rather on a percentage scale (90-100 = A; 80-89 = B; 70-79 = C; 60-69 = D; 59 and below = F). There are no make up exams. If you miss an exam, your grade will be based upon the remaining exams: if you miss one exam, the other two will each count for 30% of your grade; if you miss two exams, the one exam you take will count for 60% of your grade. You cannot miss all of the exams and pass the course. You will have to withdraw or fail. Bring a photo ID, either your UCSD card or your driver's license, so you can enter the exam room and take each exam. Be on time.

**Classroom participation** will be based upon responses using clickers to topics being discussed during the lecture sessions. Lecture discussion topics and presentations will be related to the information covered in the reading assigned for that week. There will be no need to take notes, nor will lecture notes be posted. Attendance is required to receive points for classroom participation. There are 16 class sessions for which participation is counted, thus each class meeting counts for 1.25% of your grade. During class, use of laptops, cell phones or any electronic devices, other than your clicker, is strictly prohibited. Anyone caught with an open laptop, cell phone, iPad, etc will be asked to leave the classroom and will not get credit for classroom participation for that day.

**Clickers** will be used in class. You can use either iClicker1 or 2. You must register your clicker prior to April 3. We will practice with the clickers during the first and second class meetings (April 3 and 5). After that, the clickers will be used to evaluate your classroom participation. It is your responsibility to be sure you have extra batteries with you and that your clicker is working at all times. Clickers are required to be brought to every class meeting. They will not be used, however, during the exams.

**Discussion sections** with your teaching assistant will make up the remaining 20% of your grade. There will be a short quiz at the beginning of each discussion section, based upon the reading material. The remaining time will be devoted to discussion of topics from the assigned readings.

There will be no discussion section meetings during the following weeks:

April 2: First week of class

April 25: Due to EXAM 1

May 21: Due to EXAM 2

**Academic Integrity:** Students are expected to do their own work, as outlined in the UCSD Policy on Academic Integrity published in the UCSD General Catalog. Cheating will not be tolerated and all suspected cases will be handed over to the Academic Integrity Coordinator, which reports directly to the Dean of the student's college.

## **EXAMS**

Exams will be multiple choice and true-false. During exams (midterms and final) all backpacks, water bottles, hats, etc. will have to be left in the front of the room. **If you are concerned about valuables, please do not bring them to exams.** You will not be allowed to use calculators, cell phones, or any electronic devices during the exam. **We do check photo ids at all exams**, so please bring yours with you (a student ID or driver's license is acceptable) or you will not be allowed to take the exam.

**Contacting me:** Please contact me by email at [tmarkow@ucsd.edu](mailto:tmarkow@ucsd.edu) and **always place BILD3 in the subject line.**

**TED** The Website for the course will have the syllabus. No notes are posted and there will be no podcasts.

**OSD students:** If you need testing accommodation for this class, please give a copy of your OSD Authorization for Accommodation (AFA) form to Maggie Tilley in Biology Student Affairs. Usually she will schedule your accommodation, and you will need to fill out forms for her. However, if you need specialized equipment, arrangements may need to be made with OSD rather than the Biology office. You also need to coordinate scheduling of exams with me. All of these arrangements should be made within the first two weeks of the quarter. Please note that the Biology office is closed in the evenings. More information can be found by contacting the Office of Students with Disabilities (OSD) at 858.534.4382, 858.534.9709 (TTY), [osd@ucsd.edu](mailto:osd@ucsd.edu) or <http://osd.ucsd.edu>