

LS1: Introduction to Evolution and Biodiversity
INSTRUCTOR: TODD C. LORENZ, Ph.D.
Email: tlorenz@ucla.edu
OFFICE HOURS: F 2:30-4:30 PM Slichter 2847
LECTURE SCHEDULE & SYLLABUS

WEEK	DATE	LECTURE	*TEXT CHAPTER
1	Aug 3	Intro/Origin of life	-
	Aug 5	Development of Evolutionary Thought	1
	Aug 7	Natural Selection	24
2	Aug 10	Evolutionary Process	25
	Aug 12	Speciation/Phylogenies	26, 27
	Aug 14	Bacteria/Archaea	28
3	Aug 17	Protists	29
	Aug 19	Plants/Fungi	30, 31
	Aug 21	MIDTERM EXAM (12 – 1:50PM)	
4	Aug 24	Animals/ Protostomes	32, 33
	Aug 26	Deuterostomes	34
	Aug 28	Ecology Intro	50
5	Aug 31	Behavior	51
	Sept 2	Population Ecology	52
	Sept 4	Community Ecology	53
6	Sept 7	HOLIDAY	-
	Sept 9	Ecosystems/Conservation Biology	54, 55
	Sept 11	FINAL EXAM I (12 – 1:50PM)	

REQUIRED TEXT:

Biological Science (vol 2, 3rd Ed) by Scott Freeman. Pearson Benjamin Cummings Publ.

COURSE WEBSITE: <http://www.lsic.ucla.edu/classes/summer09/>

CORE OFFICE: 2305 Life Sciences Building

lscore@lifesci.ucla.edu

The Life Sciences Core Office will assist you with all matters pertaining to enrollment, absences, and emergencies.

THIS SYLLABUS MAY BE REVISED OR UPDATED DURING THE QUARTER. CHANGES WILL BE ANNOUNCED IN LECTURE AND POSTED ON COURSE WEBSITE.

GRADES:

	<u>Points (%)</u>
MIDTERM I (Friday, July 10, 2009, 12 -1:50 PM)	100 (20%)
FINAL EXAM (July 31, 2009)	200 (40%)
DEMOS	<u>200 (40%)</u>
Total:	500 (100%)

Grades will be assigned according to the following scale:

- A 90-100%
- B 80- 89%
- C 70- 79%
- D 65- 69%
- F 64% or below

Class scores may be curved if the mean for the class falls below 75%. In no instance, however, will the grades be curved downwards. You may use the above grading scale, therefore, as an indicator of your minimum grade in the class.

EXPLANATION OF GRADE COMPONENTS:

This course will consist of 15 lectures (110 min. each meeting 3X/ wk), 1 mid-term, 1 cumulative final exam and 7 quizzes 1 written assignment and 1 worksheet. The final grade will depend on one midterm (20%), demo section (40% total) and a cumulative final (40%).

EXAMS:

There will be one midterm exam and one final exam. The first exam will be from 12:00 – 1:50 PM on Friday, August 21, 2009. The final exam will be held on September 11, 2009. Students must bring a photo ID to each exam. All exams will be held in class.

Re-grades are permitted on the midterm exam, but not on the final exam. No ‘make-up’ exams will be given. Any missed exam or request to take an early exam must be approved in advance by Dr. Lorenz.

QUIZZES:

Teaching Assistants will give a total of 7 quizzes during the quarter. Quizzes will focus on material covered in the current and previous lectures and demo sections. These quizzes will be given during the first 15 minutes of demo sections, so please be punctual. No extra time will be given to complete the quiz for late arrivals.

ACADEMIC DISHONESTY: Instances of academic dishonesty will be referred without exception to the Dean of Students.

OFFICE HOURS:

Dr. Lorenz and Teaching Assistants will each hold office hours each week. Attendance is optional but highly recommended. Come prepared with questions pertaining to current and previous lectures. No additional review sections will be offered.

TA: Chris Chabot email: cichabot@ucla.edu
OFFICE HOURS: TR 5:30 – 6:30 PM TR, Life Science A806

TA: Cord Kirshner email: kirshcor@verizon.net
OFFICE HOURS: 10:30 – 11:30 AM MW Life Science 5323

You will be able to attend office hours for either TA (even if he/she is not your regular demo instructor), as well as office hours for the instructor, Dr. Lorenz. Please make abundant use of these TAs; they are a great resource for discussing and clarifying subject material.

DEMO SECTIONS: There are ten demonstration sections scheduled for the term. Attendance at your sections is mandatory. There will be no make-up sections if you miss a demo. In the event of a documented medical absence, your score for that week will be prorated based on your other scores. These medical absences must be cleared through the Core Office. A schedule of the sections can be found below.

DEMONSTRATION SCHEDULE:

WEEK	DEMO #	ACTIVITY
1	DEMO 1	Scientific Method; Research Tools
	DEMO 2	Computer Simulations of Natural Selection
2	DEMO 3	The Fossil Record and Horse Evolution
	DEMO 4	The Microbial World
3	DEMO 5	The Photosynthetic World
		NO DEMO
4	DEMO 6	The Botanical Garden
	DEMO 7	Fungi & Animal Diversity I
5	DEMO 8	Animal Diversity II
	DEMO 9	Animal Diversity III
6		NO DEMO
	DEMO 10	Conservation Biology

These demonstration sections are designed to reinforce the concepts covered in the lectures and will also allow you explore the subject in greater depth in smaller groups with your TA. You will have the chance to see (and in many cases, touch) some of the organisms discussed in lecture. Use the sections as a forum to explore the issues we cover in the class.