

LS 1: Evolution, Ecology, & Biodiversity

Summer Session A 2010

- Instructor:** Gary Shin, Ph.D.
gtshin@csulb.edu
- Lecture:** MWF 9:00-10:50 AM
MS 4000A
- Office Hours:** F 11:00-1:00, and by appointment
Slichter 2847
- Required Texts:** *Life: The Science of Biology* (9th edition) by Sadava, Hillis, Heller,
& Berenbaum
- Course website:** <http://www.lsic.ucla.edu/classes>
- 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.

Date	Topic	Readings
6/21	Introduction to Biology	Chapter 1
6/23	Evolution and its Mechanisms	Chapter 21
6/25	The Origin of Species	Chapter 23
6/28	Phylogenetics	Chapter 22
6/30	Macroevolution and the Fossil Record	Chapters 20*, 25
7/2	Evolution of Genes and Genomes	Chapter 24
7/5	July 4 th Holiday: NO CLASS	
7/7	Prokaryotes	Chapter 26
7/9	*** MIDTERM EXAM (in class) ***	
7/12	Protists & Fungi	Chapters 27, 30
7/14	Plants	Chapters 28, 29
7/16	Protostomes	Chapter 32
7/19	Deuterostomes	Chapter 33
7/21	Introduction to Ecology; Population Ecology	Chapters 54, 55
7/23	Community Ecology	Chapters 56, 57
7/26	Ecosystem and Global Ecology	Chapters 58, 54
7/28	Biodiversity and Conservation	Chapter 59
7/30	*** FINAL EXAM (in class) ***	

* Chapter 20 will not be found in Volume II.

TAs: Colin Rundel
crundel@ucla.edu
OH: Mondays 11-1, Boelter 9407

Hilton Oyamaguchi
hiltonoya@ucla.edu
OH: Wednesdays 3-5, LSB 5303

Raul Sedano
rsedano@ucla.edu
OH: Mondays 3-5, LSB 5303

You will be able to attend any of the TAs office hours (even if he is not your regular demo instructor), as well as mine. 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 to the 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 1	Demo 1	Research Tools
	Demo 2	Natural Selection
Week 2	Demo 3	The Fossil Record and Horse Evolution
	Demo 4	The Microbial World
Week 3	NO DEMO	July 4 th Holiday
	NO DEMO	Midterm on Friday
Week 4	Demo 5	The Photosynthetic World
	Demo 6	The Botanical Garden
Week 5	Demo 7	Fungi & Animal Diversity I
	Demo 8	Animal Diversity II
Week 6	Demo 9	Animal Diversity III
	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 also 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.

Grading: There will be two in-class exams, each worth 150 points. Demonstration sections (10 total, 10 points each) will be worth 100 points.

Midterm	150
Final	150
<u>Demos</u>	<u>100</u>
Total	400

Grades will be assigned according to the following scale:

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

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.

Academic Dishonesty: Instances of academic dishonesty will be referred without exception to the Dean of Students. Please don't cheat.