

## Course Information

### LS1 Section 2: Introduction to Evolution and Biodiversity

**Instructor:** Debra Pires  
**Office Hours:** T 11-1 and W 9-11  
Schlichter Hall 2877  
[debpires@ucla.edu](mailto:debpires@ucla.edu), phone 825-0376

**Course Website:** <http://www.lsic.ucla.edu/classes/>

**Text:** Biological Science by Scott Freeman 2<sup>nd</sup> ed.

**Lectures:** TR 9:30-10:45, LaKretz 110

Lectures will be based on the reading listed in this syllabus. There will be additional examples given in the class that may not be from the text, but are chosen to help in understanding different concepts in the course. Lectures will be posted on the course website the night before so that you can print them out and bring them to class if you choose. If they are not posted by 9 PM the night before I will make copies and they will be given to you before lecture.

**Demonstrations:** There are ten demonstration sections that you will attend weekly. These are not optional. Each demonstration is two hours long. These demonstration sections are designed to: 1. Help reinforce many of the topics you learn in class, 2. Give you the opportunity to see many of the organisms discussed in lecture, 3. Give you the opportunity to ask questions and think about topics in small groups. Check your course listing to make sure that you are going to the right demonstration room, there are two YH 2343 or SH 2870. You must attend the section in which you are enrolled. If there is an extenuating circumstance and you must attend another section once, then you must discuss this with your TA and the TA of the section you would like to attend. There are no make-up sections

**Exams and Review Sessions:** We will have a review session before each midterm and the final. Room reservations and review times are still pending and you will be notified in class and via e-mail of the room and time for each review. You have two midterms for the course. Both midterms are held in the evenings, so please plan accordingly. You **must** take the exams at the scheduled date as there are no make-up exams. Fail to appear, hand in, or take an exam will result in a zero for that exam. **There are no exceptions to this policy.**

**Enrollment:** All questions related to enrollment should be taken to the LS Core office in the Life Sciences building room 2305.

**Grading:** Grades will be assigned based on the tentative straight curve shown below. The scale may be shifted down to accommodate clear breaks in the distribution of overall class grades, but the scale will **not** be shifted up (therefore, you always know your current minimum grade); however, the minimum passing grade (50% or 450 points) will not be shifted under any circumstance (i.e., you **need >49%** to pass LS1!). Grades are determined from a combination of lecture, reading, and discussion material (see breakdown, descriptions below). Please note that requests for “special consideration” by graduating seniors enrolled in LS1 will not be entertained.

**Grading Scheme:**

<i>Letter grade</i>	<i>Percentage score</i>	<i>Point score</i>
<b>A- to A+</b>	90 – 100%	900-1000
<b>B- to B+</b>	76 – 89%	760-899
<b>C- to C+</b>	61 – 75%	601-759
<b>D to D+</b>	50 – 60%	500-600
<b>F</b>	0 – 49%	0 – 499

**Midterm 1: Thursday April 19th 5 – 6:50 PM****Midterm 2: Thursday May 10th 5 – 6:50 PM****Final Exam: Thursday June 14th 6:30 – 9:30 PM**

**Regrading policy:** Any request for a regrade must be made within one week of the exam being returned to you. If you think there has been a simple addition error on your exam then write a note explaining which page was added incorrectly, attach this to the front of the exam and turn it into the LS Core office. If you think there was an error in grading that is not an addition error then write a brief note explaining why you think more points should be awarded, attach this to the front of the exam and turn it into the LS Core office. In the event that you do turn in your exams, you should make a photocopy for your own records. All exam regrades will be done at the end of the quarter after we have calculated final grades. If the points you request will affect your final grade then we will reevaluate the exam to look for grading errors.

**Reading Quizzes:** There will be a quiz administered using Blackboard every Tuesday beginning in Week 2 and ending in Week 9 (see schedule for exact dates). These quizzes are based on the week's reading. They are only available for a limited time, you must login and take the quiz before it times out. Reading quizzes are open book, and they are designed to help you look over the material and review what we have covered in the previous week. The course website is: <http://www.lsic.ucla.edu/>

**Point Breakdown:**

Midterm 1	175
Midterm 2	175
Final Exam	250
Demos	200
Participation	100
Reading quizzes	<u>100</u>
 Total Points	 1000

**Academic Dishonesty:** My best advice to you is just don't do it!!! If you are caught cheating (e.g. giving answers to someone else or receiving answers from someone else) on any graded material in the course you will receive a zero as your score. In addition, you will be reported immediately to the Dean of Students – NO EXCEPTIONS – for further action.

<b>Week</b>	<b>Date</b>	<b>Topic</b>	<b>Assigned Reading</b>
1	T R	Evolution and Natural Selection Mechanisms of Evolution	Ch. 23 Ch. 24
2	T R	Speciation Landmarks of Evolution I	Ch. 25 Ch. 26
3	T R	Energy Acquisition Eukaryotes	Ch. 27 Ch. 28
4	T R	Moving to Land Plants and Reproduction	Ch. 29, Handout Ch. 29, Handout
5	T R	Fungi and symbiosis Genes and Diversity	Ch. 30 Ch. 31
6	T R	Protostomes Deuterostomes	Ch. 32 Ch. 33
7	T R	Landmarks of Evolution II Ecology and Behavior	Handout Ch. 50, 51
8	T R	Behavioral Ecology Islands	Handout Handout
9	T R	Population Ecology Community Ecology	Ch. 52 Ch. 53
10	T R	Biodiversity and Conservation In the news...	Ch. 54, 55

### **Demonstration Schedule**

Week 1: Observations and the Scientific Method  
 Week 2: Evolution and Natural Selection  
 Week 3: The Fossil Record and Natural Selection  
 Week 4: The Microbial World  
 Week 5: The Photosynthetic World  
 Week 6: Botanical Garden  
 Week 7: Fungi & Animal Diversity I  
 Week 8: Conservation Biology  
 Week 9: Animal Diversity II  
 Week 10: Animal Diversity III