

LS 15 – Life: Concepts and Issues

Lecture Schedule – Spring 2008

DATE	TOPIC	Essential Biology CHAPTER
4/01	Introduction to LS 15, The nature of science	1
4/03	Life and the scope of Biology	1
4/08	Evolution: the unifying theme	1
4/10	Darwin's descent with modification; Natural Selection	13
4/15	The Origin of Evolutionary Novelty	14
4/17	Species, The Origin of Life	15
4/22	Domains of Life	15
4/24	Mendel, the concept of gene; Molecular structure of the gene	9
4/29	DNA Technology, Human genome	12
5/01	Using Bacteria to clone genes, Risks and ethical questions	12
5/06	MIDTERM EXAM	
5/08	The Evolution of Animals, Phylogenies and Paradigm shift	17
5/13	Structure and growth of populations	18
5/15	Human population growth, Evolution of life histories	18
5/20	Biological Sciences in the 21st Century	
5/22	New techniques, thinking, discoveries	
5/27	Ecosystems	19
5/29	Human impact on ecosystems	20
6/03	Biodiversity in crisis	20
6/05	Conservation Biology	20
6/09	FINAL EXAM	MONDAY
		11:30 AM - 2:30 PM

LS 15 – Biology: Concepts and Issues
Course Outline – Spring 2008

A. Instructor: Dr. Vicente Cassano vcassano@ucla.edu
Office hours: LS 5217 TR 4 - 5 P

Assistants: Dominique Richardson	toshiko@ucla.edu
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B. Format

1. Lectures: TR 2 - 3:15P Young CS76
2. Discussion sections: Schedule TBA
 - a. Quiz
 - b. Brief presentation by the TA
 - c. Discussion, Debates

C. Textbook

Campbell N.A., J. B. Reece, and E. J. Simon (2004) **Essential Biology** 2nd ed.

D. Grading (1000 point course)

1.	WEEKLY QUIZZES	140 points
2.	DEBATE	100 points
3.	EXERCISES	160 points
5.	MIDTERM	200 points
6.	FINAL EXAM	400 points

E. Grading Policies:

1. Exams will include multiple-choice and short-answer questions and will be taken on date and time announced.
2. Grading: A about 25%, B about 45%, C about 25%, D/F about 5%

F. LS Core Office:

For administrative questions see Lily Yanez or Mark Katayama in the Life Science Core Office (LS Building, Room 2305, phone 310-825-6614).

If you are unable to take an examination, you are responsible for contacting the LS Core Office before the examination. You are required to have written verification regarding the illness or emergency.