

EEB 13 - Evolution of Life - Winter Quarter 2008

Syllabus

Professor: H.A. Hespeneide e-mail: hahiii@ucla.edu
 Office: Botany 129 Phone: x53170 Office hrs Tu 2-4 or by appointment

Texts: Lecture: E. Mayr, *What Evolution Is*
 Discussion: S.J. Gould, *Dinosaur in a Haystack*

Meets: Lecture: TuTh 12:30-1:45, Geology 3656
 Discussion: Th 2:00-2:50, Geology 3656

Schedule:

<u>Date</u>	<u>Mayr</u>	<u>Gould</u>	<u>Topics</u>
Jan 08	vii-xv, Ch.1		The idea & scope of evolution
	10	ix-xv, Ch.4, 25	Evolution as science - a way of knowing
15	Ch.2		Genes and biological evolution
	17	Ch.22, 26	Mendel and how genes are inherited
22	24 Ch.4, 5	HO: Shoumatoff	Population genetics = evolutionary genetics
29	31 Ch.6	HO: Fisher, etc.	Darwin's Theory of Evolution
Feb 05			Selection and the importance of sex
	07	[no disc]	Midterm exam
12	14 Ch.7	Ch. 12, 13, 17	Adaptation
19	21 Ch.8, 9	Ch. 32, 33	Species and speciation
26	28 Ch.3	Ch. 9, 11	Taxonomy and biogeography
Mar 04	06 Ch.10	Ch. 5, 6	Evolutionary history and extinction
11			Humankind: philosophical questions
	13		Final exam

Grading (tentative):		lecture	discussion
Midterm exam	Feb 07	30%	10%
Final exam	Mar 13	40%	10%
Discussion	in-class quizzes		10%