

Evolution BioE 109
Summer 2009 (session 2)
Syllabus and Schedule of Lectures

July		Chapter
27	Introduction, Evolution in action: the HIV virus	1
29	Darwinian revolution	2
31	Natural selection - theory and definitions	3
August		
3	Phylogenetic inference, mutation and genetic variation	4, 5
5	Microevolution: selection, mutation and migration	6, 7
7	Microevolution: random genetic drift, molecular evolution	7
10	Linkage disequilibrium, evolution of sex & selection on quantitative traits	8, 9
12	Midterms	
14	The adaptationist program	10
17	Sexual selection and Kin selection	11, 12
19	Evolution of mating systems, life history evolution	13
21	Species concept and speciation	16
24	Origin of life and Cambrian explosion, phylogenomics	15, 17, 18
26	Evolution and development, Human evolution, Human health	14, 19, 20
28	Final exam	

Text: *Evolutionary Analysis, 4th Edition* by Scott Freeman and Jon C. Herron

Professors: Dhanashree Paranjpe

Office Hours: Mondays and Thursdays 11-12noon in EMS D450

Class web site: <http://bio.classes.ucsc.edu/bioe109/>

Important Summer Session 2009 Dates

	Session I	7-wk Sess	8-wk Sess	10-wk Sess	Session II
Last day to enroll/add online	June 27 (Sat) (11:59 PM)	June 27 (Sat) (11:59 PM)	June 27 (Sat) (11:59 PM)	July 4 (Sat) (11:59 PM)	Aug 1 (Sat) (11:59 PM)
Last day to drop online	June 28 (Sun) (11:59 PM)	June 28 (Sun) (11:59 PM)	June 28 (Sun) (11:59 PM)	July 5 (Sun) (11:59 PM)	Aug 2 (Sun) (11:59 PM)
Withdrawal period at Summer Office (no refund)	June 29 – July 10 (8:00-4:00)	June 29 – July 17 (8:00-4:00)	June 29 – July 24 (8:00-4:00)	July 6 – July 31 (8:00-4:00)	August 3 – August 14 (8:00-4:00)

Note that during Summer Session there is no auditing of classes, no “Add by Petition” and no “Administrative Drop by Instructor”. Failure to attend class does not constitute a “Drop”. All deadlines are final.