

Biology 240 is the second course in a sequence designed to prepare Biology majors for upper division study. While it has a prerequisite of Biology 230 or an equivalent course, you'll find that it differs in many ways from Biology 230. The Main Topics in Biology 240 are: Phylogenetic Inference, Evolutionary Principles, Diversity of Life. Principles of Ecology  
Textbooks:

Campbell, Reece, and Mitchell, *BIOLOGY*, 7th edition, Benjamin Cummings

*Biology 240 Lab Reader*, SFSU Biology Faculty

*A photographic atlas for the biology laboratory*, Van de Graaff & Crawley, Morton Publishing

Biology 240 Lecture Schedule - Fall 2006

	Topic	Lecturer	Reading
30 Aug	Course Introduction		
	Evolutionary Context for Life	Patterson/Stern	Ch. 1
01 Sep	Evidence for Evolution	Patterson	Ch. 22
04 Sep	Labor Day Holiday — No class		
06 Sep	Genetics of Populations	Patterson	Ch. 23
08 Sep	Microevolution	Patterson	Ch. 23
11 Sep	Phylogeny I	Patterson	Ch. 25
13 Sep	Phylogeny II	Patterson	Ch. 25
15 Sep	Selection and adaptation	Patterson	Ch. 23
18 Sep	Speciation	Patterson	Ch. 24
20 Sep	Origin & early evolution of life	Stern	Chs. 26, 27
22 Sep	Origin & early evolution of life	Stern	Chs. 26, 27, 28
25 Sep	Eukaryotic Diversity I	Patterson	Ch. 28
27 Sep	Eukaryotic Diversity II	Patterson	Ch. 28
29 Sep	Chloroplast Evolution	Patterson	Ch. 28, 31
02 Oct	Origin of Plants	Patterson	Ch. 29
04 Oct	Plant Reproduction I	Patterson	Ch. 29, 30
06 Oct	Midterm I		
09 Oct	Plant Reproduction II	Patterson	Ch. 29, 30
11 Oct	Plant Reproduction III	Patterson	Ch. 30
13 Oct	Pollination	Patterson	Ch. 30
16 Oct	Plant Dispersal	Patterson	Ch. 30
18 Oct	Biogeography I	Patterson	Ch. 25
20 Oct	Biogeography II	Patterson	Ch. 25
23 Oct		Stern	
25 Oct	Animal Development I	Stern	Ch. 47
27 Oct	Animal Development II	Stern	Ch. 47
30 Oct	Animal Development III	Stern	Ch. 47
01 Nov	Origin of Animals	Stern	Ch. 32
03 Nov	Diversity of Invertebrates I	Stern	Chs. 32, 33
06 Nov	Diversity of Invertebrates II	Stern	Chs. 32, 33
08 Nov	Midterm II		
10 Nov	Veterans' Day Holiday — No class		
13 Nov	Arthropods	Stern	Ch. 33
15 Nov	Origin of Chordates	Stern	Ch. 34
17 Nov	Radiation of Fishes	Stern	Ch. 34
20-24 Nov	Thanksgiving Holiday — No class this week (that's right, none at all)		
27 Nov	Behavior (of Fishes)	Stern	Ch. 51
29 Nov	Vertebrates Colonize Land	Stern	Ch. 34
01 Dec	Reptiles & their Descendants I	Stern	Ch. 34
04 Dec	Reptiles & their Descendants II	Stern	Ch. 34
06 Dec	Birds and Mammals	Stern	Ch. 34
08 Dec	Population Ecology	Stern	Chs. 50, 52
11 Dec	Life Histories	Stern	Ch. 52
13 Dec	Communities & Ecosystems	Stern	Chs. 53, 54
15 Dec	Conservation Biology	Stern & Patterson	Ch. 55

18 Dec Final Exam, 8:00 - 10:30 am