

# BIOL-006C: Ecol & Evol



Summer 2011

Week	Date	Day	Lecture topic	Text	Lab/Field topic	Homework	
<b>1</b>	June27	Mon	Introduction to ecology	Ch. 52	Ex. 1A & 1B: Scientific Investigation	Finish 1A & 1B	
	June28	Tue	Biogeography	“	Ex. 1C: Statistical Analysis, part A Ex. 2A & 2B: Vegetation transects.	Finish 1C. pt. A Ex. 2A/B group data	
	June29	Wed	Population dynamics	Ch. 53	Ex. 1C: Statistical Analysis, part B Ex. 2A & 2B: Class data. Cheeseman ESA tour.	Finish 1C. pt. B Ex. 2A/B class data	
	June30	Thu	Community ecology	Ch. 54	Ex. 1C: Statistical Analysis, part C Ex. 2C: Canopy surveys.	Finish 1C. pt. C Ex. 2C group data	
<b>2</b>	July 04	Mon	<i>Holiday</i>			Ex. 3A pre-lab	
	July 05	Tue	Biodiversity	“	Ex. 2A+B Report due. Ex. 2C: Class data. Ex. 3C: Population size & dispersal.	Ex. 1C. pt. D	
	July 06	Wed	Field Day: Stevens Creek Watershed				
	July 07	Thu	<b>EXAM 1</b>		Ex. 1 Report due Ex. 3B: Population size Arthropod sampling	Ex. 2C: class data Project proposal	
<b>3</b>	July 11	Mon	Ecosystems	Ch. 55	Ex. 2C Report due. Project pitches EcoBeaker: <i>Isle Royal</i>	Ex. 4A pre-lab. Finish project prospectus	
	July 12	Tue	Ecotones & Succession	“	Project prospectus due. Bug hunt Ex. 4B: Biodiversity–invert pitfalls	Work on reports & field book. Start projects.	
	July 13	Wed	Field Day: Villa Montalvo				“
	July 14	Thu	CA ecological provinces	“	<b>SPECIES QUIZ 1</b> Field Book, parts 1–3 due. Finish Ex. 4B. Ex. 3B report & 3C report due.	Work on projects.	

<b>4</b>	July 18	Mon	Conservation & restoration	Ch. 56	Ex. 5A: Behavioral Ecology. Start Ex. 5B: Behavior & Dispersal. EcoBeaker: <i>Keystone Predator</i>	Work on projects.
	July 19	Tue	Behavioral biology	Ch. 51	Finish Ex. 5B Catch-up	Work on projects.
	July 20	Wed	Field Day: SF Bay Refuge / Charleston Slough / Baylands			Work on projects.
	July 21	Thu	<b>EXAM 2</b>		Ex. 4B Report due. Ex. 4C: Biodiversity–birds	Ex. 4C: group data
<b>5</b>	July 25	Mon	Origins & paradigms	Ch. 22	Ex. 5A+B Report due. Ex. 4C: Class data EvoBeaker: <i>Sickle Cell Alleles</i>	Ex. 4C: class data
	July 26	Tue	Mechanisms of evolution	Ch. 23	Ex. 6: Predator–Prey Interactions	Work on reports & field book. Work on projects.
	July 27	Wed	Field Day: SF Zoo (9:45 am) + Ex. 5C: Ethogram			“
	July 28	Thu	Reproductive Ecology	“	<b>SPECIES QUIZ 2</b> Field Book, parts 4–7 due. Ex. 5C Report due.	Work on reports. Work on projects.
<b>6</b>	Aug 01	Mon	Speciation & diversity	Ch. 24	Ex. 4C Report due Ex. 6 Report due Project consultations EvoBeaker: <i>Darwinian Snails</i>	Final work on projects.
	Aug 02	Tue	Final research reports/ class presentations			
	Aug 03	Wed	Field Day: Monterey Bay Aquarium			
	Aug 04	Thu	<b>EXAM 3</b>			

