BIOL-006C: Ecol & Evol

Summer 2017

Week	Date	Day	Lecture topic	Text	Lab/Field topic	Homework
1	July 03	Mon	Introduction to ecology	Ch. 52	Ex. 1A & 1B: Scientific Investigation	Finish 1A & 1B
	July 04	Tue	*holiday*			
	July 05	Wed	Biogeography	"	Ex. 1C: Statistical Analysis, part A **Cheeseman ESA** tour.	Finish 1C. pt. A
	July 06	Thu	Population dynamics & Life history strategies	Ch. 53	Ex. 2A & 2B: Vegetation transects. Ex. 1C: Statistical Analysis, part B	Finish 1C. pt. B Ex. 2A/B class data Ex. 3A pre-lab
2	July 10	Mon	Community ecology	Ch. 54	Ex. 1C: Statistical Analysis, part C Ex. 2A+B Report due. ∇ EcoBeaker: [pre-lab] *Understanding Population Growth Models*	Finish 1C. pt. C
	July 11	Tue	Biodiversity	"	Ex. 3B & 3C: Population size & dispersal.	Ex. 1C. pt. D Project pitches
	July 12	Wed	*Field Day*: **Villa Montalvo**			Montalvo worksheet
	July 13	Thu	**EXAM 1**		Ex. 1C. pt. D Report due Montalvo worksheet due Project pitches	Ex. 3B & 3C Project proposal Ex. 4A pre-lab.
3	July 17	Mon	Ecosystems	Ch. 55	Project proposal Ex. 3B & 3C report due. ∇ EcoBeaker: *Isle Royal*	Finish project prospectus
	July 18	Tue	Landscape & succession	"	Project prospectus due. Ex. 4B: Biodiversity–invert pitfalls Bug hunt	Work on field book, parts 1–3. Start projects.
	July 19	Wed	*Field Day*: **Stevens Creek Watershed**			Creek worksheet Work on field book.
	July 20	Thu	CA ecological provinces	*Atlas of the Biodiversity of California*	**SPECIES QUIZ 1** Field Book, parts 1–3 due.	Work on projects.

4	July 24	Mon	Conservation & restoration	Ch. 56	Creek worksheet due. Ex. 5A: Behavioral Ecology. Start Ex. 5B: Behavior & Dispersal. ∇ EcoBeaker: *Keystone Predator*	Ex. 4B: group data Work on projects.
	July 25	Tue	Behavioral biology	Ch. 51	Finish Ex. 5B Ex. 4B: Class data Ex. 4C: Biodiversity–birds	Work on projects.
	July 26	Wed	*Field Day*: **SF Bay Refuge / Charleston Slough / Baylands** + Ex. 4C			Baylands worksheet
	July 27	Thu	**EXAM 2**		Ex. 4C: Biodiversity–birds	Ex. 4C: group data Work on projects.
5	July 31	Mon	Origins & paradigms	Ch. 22	Ex. 4B: Report due. Ex. 5A+B Report due. Ex. 4C: Class data – habitats 1 & 2 ∇ EvoBeaker: *Darwinian Snails*	Ex. 4C: class data Work on projects.
	Aug 01	Tue	Mechanisms of evolution	Ch. 23	Ex. 6: Predator–Prey Interactions ∇ EvoBeaker: *Experimenting with Snails*	Work on reports & field book.
	Aug 02	Wed	*Field Day*: **SF Zoo** (9:45 am) + Ex. 5C: Ethogram			Finish Ex. 5C Work on field book. Work on projects.
	Aug 03	Thu	Reproductive ecology	"	**SPECIES QUIZ 2** Field Book, parts 4–7 due. Ex. 5C Report due. (In Field Book.) Ex. 6 Report due	Finish Ex. 4C Work on projects.
6	Aug 07	Mon	Speciation & diversity	Ch. 24	Ex. 4C Report due Project draft consultations ∇ EvoBeaker: *Sickle Cell Alleles*	Final work on project & presentation.
	Aug 08	Tue	Final research reports/ class presentations			
	Aug 09	Wed	*Field Day*: **Monterey Bay Aquarium**			Subtidal ecology worksheet
	Aug 10	Thu	**EXAM 3**