

Date	Lecture	Lecturer	Reading	Labs
28-Aug	Introduction: Why 102?	DAK	M&S 1	No labs
30-Aug	The Challenges: Human Population Growth	DAK	M&S 8, 9	Remind them to bring Ecobeaker to lab
4-Sep 6-Sep	Energy Conversion: Natural & Anthropogenic Race to Save the Planet 1	DAK DAK	M&S 2 M&S 3	No labs, Labor Day week
11-Sep 13-Sep	Biogeochemical Cycles Population dynamics, Ecosystem functions	DAK DAK	M&S 4	Lab 1. Ecobeaker: Isle Royale
18-Sep 20-Sep	Evolution: Origins of Life & Inheritance Evolution: Origins & Darwinian Principles	DAK DAK	T 20 T17	Lab 2. Ecobeaker: Sickle Cell Alleles
25-Sep 27-Sep	Evolution: Hardy Weinberg, Optimal Design Evolution: ESS	DAK DAK	T18 T19	Lab 3. EvoBeaker: Darwinian Snails
2-Oct	Midterm 1 Exam (100 pts)	DAK		Lab 4. EvoBeaker: Guppy
4-Oct	Conservation Biology	DAK		
9-Oct 11-Oct	Terrestrial Ecosystems Freshwater Ecosystems	JB JB	M&S 3 M&S 6	Lab 5. PAGE Museum Field Trip
16-Oct 18-Oct	Marine Ecosystems: Benthic Marine Ecosystems: Pelagic	JB JB	M&S 6 M&S 6	Lab 6. Why Sex Movie screening
23-Oct	Climate & Climate Change	JB	M&S 5, 20	Lab 7. Ecobeaker: Corridors & Butterflies
25-Oct	Biogeography	JB	M&S 3,6	
30-Oct	Community Ecology	JB	M&S 7	Lab 8. Ecobeaker: Sewage treatment
1-Nov	Midterm 2 Exam (100 pts)	JB		
6-Nov 8-Nov	Biodiversity Habitat Fragmentation	JB JB	M&S 4, 10-12 M&S 11	Lab 9. Hyperion Field Trip
13-Nov	Disease	JB	M&S 18	Lab 10. Ecobeaker: Fisheries
15-Nov	Nutrition	JB	M&S 13	
20-Nov 22-Nov	Environmental Impact Assessment Risk Assessment	JB JB	M&S 18-22 M&S 18	No labs: Thanksgiving
27-Nov	Decision Making	JB	Slides	Presentation
29-Nov	Genetic Engineering	JB	M&S 4,13	
4-Dec 6-Dec	Exxon Valdez Oil Spill Antarctica and Galapagos Islands	JB JB	Slides Slides	Presentation
13-Dec	Midterm 3 Exam (100 pts) 11:00-12:20	JB		

Personnel

Instructors: Dale Kiefer, Instructor: Office M244, Building: AHF, T,Th 11:00-12:30, kiefer@usc.edu

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Texts

Miller & Starr (MS), Taggart (T)

Lab: Ecobeaker packets by Meir

Grading: 550 total pts

Midterms - 100 points each

Lab assignments/ short papers (15 points ea.)

Final presentation and paper - 50 points

Participation - 50 points (4 points ea. for each lab; 10 pts for 2 field trips)

Websites

<http://blackboard.usc.edu>

for announcements and course materials

<http://www.usc.edu/dept/LAS/biosci/courses/>

for course materials for Bakus

***All lab assignments will be completed and turned in at the beginning of the following lab period.**

Late assignment loses half of the points for that assignment

Any assignment turned in 3 weeks after the lab period will not be graded