

## ESS 50: Ecosystems of California – Schedule

Spring 2014, Professor Jessica Blois

Below is the lecture schedule for this course. It will be modified as the course progresses.

	Date	Topic	Readings*	Homework
<b>Week 1</b>	21-Jan	Introduction ESS 50 – Logistics California’s Ecological Diversity	Barbour Ch. 1	
	23-Jan	Landscape Patterns - Biogeography	Suppl.	
<b>Week 2</b>	28-Jan	California Weather & Climate	Suppl.	
	30-Jan	Ecosystem Foundations: Geology of California I	Suppl.	HW1 due
<b>Week 3</b>	4-Feb	Ecosystem Foundations: Geology of California II	Suppl.	
	6-Feb	Riparian Ecosystems	Barbour p. 70-75	
<b>Week 4</b>	11-Feb	Central Valley Wetlands & the Sacramento-San Joaquin Delta	Barbour p. 75-76, Suppl.	
	13-Feb	The Pacific Flyway	Suppl.	HW2 due
	15-Feb	Field Trip: Merced & San Luis NWR		
<b>Week 5</b>	18-Feb	Populations & ecotypes		
	20-Feb	Coastal California – Rocky Intertidal Zone	Barbour p. 22-51, Suppl	HW3 due
<b>Week 6</b>	25-Feb	<b>Mid-term 1</b>		
	27-Feb	Deserts I – Ecological Adaptations	Barbour pp. 130- 159	
<b>Week 7</b>	4-Mar	Deserts II – Geology & Ecosystems	Barbour pp. 130- 159	
	6-Mar	Coastal California – Redwood Forests (Greg King talk)	Barbour p. 53-58	
<b>Week 8</b>	11-Mar	Northwest Mixed Evergreen Forest		
	13-Mar	Oak Woodlands Past & Present	Barbour p. 83-89, Suppl	HW4/5 due
<b>Week 9</b>	18-Mar	Chaparral & Adaptations to Fire	Barbour p. 90-97	
	20-Mar	Grasslands – Natives, Invasives, & Rangelands	Barbour p. 76-83	HW6 due
Week 10	3/25 - 3/27	SPRING RECESS		
<b>Week 11</b>	1-Apr	East Side Forests and Woodlands	Barbour pp. 121- 129	
	3-Apr	Owens Valley and S. California Water		HW7 due
<b>Week 12</b>	8-Apr	<b>Mid-term 2</b>		
	10-Apr	Vernal Pools and UC Merced	Barbour p. 81-83, Suppl	
	12-Apr	Saturday Field Trip: Vernal Pools		
<b>Week 13</b>	15-Apr	Geology of Yosemite National Park	Suppl.	
	17-Apr	Sierra Nevada Montane Forest & Giant Sequoias	Barbour pp 105- 115, Suppl.	

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	19-Apr	Saturday Field Trip: Yosemite National Park		
<b>Week 14</b>	22-Apr	Subalpine Forest and Meadows, Alpine Islands	Barbour pp. 115-121	
	24-Apr	Soils of California, Soil Ecosystems & Nutrient Cycling	Suppl	
<b>Week 15</b>	29-Apr	Agroecosystems	Suppl.	
	1-May	Urban Ecosystems	Suppl.	HW8/9 due
	3-May	Field Trip: Agroecosystems of the Central Valle		
<b>Week 16</b>	6-May	Changing ecosystems		
	8-May	Ecosystems of California Final Review Ecosystems Jeopardy!		HW10 due
<b>Final</b>	10-May	Final: 3 - 6pm in SSB 170		

\* Barbour = Barbour et al. 1993. California's Changing Landscapes: Diversity and Conservation of California Vegetation

Suppl. = supplemental resource to be posted to UCMCROPS