

**Syllabus – Working**

	<b>General Topic</b>	<b>Readings</b>	<b>Assignments</b>
<b>Week 1</b>			
30 Aug.	Introduction, Walk		Start #1
1 Sept.	Natural History and Ecology Writing skills	Leopold: “Forward,” “March,” and July (prairie birthday).” Forbs “The Lake ...”	
<b>Week 2</b>			
6 Sept.	What is Ecology? Ecological Criteria, Scale, and Observer Bias	Leopold: “Round river,” and “Axe-in- hand” Picket et al. “Ecol. Understanding” Allen and Hoekstra “Towards a ...”	#1 due Start #2
8 Sept.	Methods in Ecology Ecological Sub-disciplines	Hairston Sr. “Hard choices ...” Hilborn and Ludwig “The Limits...” Likens “The Ecosystem Approach”	Work on #2
<b>Week 3</b>			
13 Sept.	Global Climate Change	Forbes “Global Warming Panic” Wentz “... Orbital Decay ...” Gaffen “Falling satellites, ...” Rasool “Sci. Responsibility ...” Vitousek “Beyond Global ...” Michaels “Global Warming: ...” New York Times: 14 Sept. 1993, 28 Sept. 1993, 10 Sept. 1995, 23 Sept. 1997	#2 due, start #3
15 Sept.	GCC Debate		Start life table
<b>Week 4</b>			
20 Sept.	Peer Review/Revision Process Life Table Questions		#3 1 <sup>st</sup> draft due Start peer review
22 Sept.	NO SECTION – David is gone		
<b>Week 5</b>			
27 Sept.	NO SECTION – David is gone		
29 Sept.	Limits to Human Population Growth	Cohen “Population Growth and ...” Ehrlich and Ehrlich “The Pop ...” Simon “Resources, Pop., ...”	life tables due #3 final and peer reviews due

Letters from Science “Bad news ..” Start #4

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**Week 6**

4 Oct.	Science writing and the art of revision.	Gopen and Swan “The science of science writing Bogel “Mastering the unpersuasive essay”	Exam 1 as take-home worksheet
6 Oct.	Open – Discuss Exam 1		Exam 1 due

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**Week 7**

11 Oct.	FALL BREAK – NO SECTION		
13 Oct.	Foraging	Pianka “Foraging Tactics and ...”	

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**Week 8**

18 Oct.	Island Biogeography	Island Biogeography Game Reading out of Text Book	
20 Oct.	Conservation Biology – Wildlife Preserve Design	Simberloff “Refuge Design and ...” Simberloff “Consequences & costs...” Simberloff “Island Bio. Theory ...” Letters from Science “Island Bio...”	#4 1 <sup>st</sup> draft due

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**Week 9**

25 Oct.	Exotic Species and Invasions	Mills et al. “Exotic Species and ...” Lodge “Biological Invasions – ...”	Start peer review of #4
27 Oct.	Keystone Predators/Species	Power et al. “Challenges in the ...”	Return peer review for #4

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**Week 10**

1 Nov.	Open		Revise #4
3 Nov.	Ecosystems, Communities, and Macroecology	Carpenter et al. “Ecosystem ...” Brown “Macroecology”	

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**Week 11**

8 Nov.	Human Use of Ecosystem Services	Vitousek et al. “Human ...” Pauly “Primary Prod. Required ...” Costanza et al. “The Value of ...”	#4 final and peer review due
10 Nov.	What is Eutrophication		Small group presentation

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**Week 12**

15 Nov.	The Eutrophication Debate		Small group presentation
17 Nov.	Contemporary Issues in Eutrophication		Small group presentation Start exam 2 as

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take home

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**Week 13**

22 Nov. Organisms as Nutrient Vectors. Post et al. "The role of ..."  
Leopold "Lakes in relation ..."

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NO JOURNAL  
THIS WEEK!  
Start "winter  
journal assign."

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24 Nov. The Life and Times of an Ecologist  
(career opportunities in ecology and  
related fields)

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Exam 2 due

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**Week 14**

29 Nov. Ecology and the Public Leopold "The Upshot"

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NO JOURNAL  
THIS WEEK!

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1 Dec. Return to Scale, Criteria, Ecological  
methods, etc. Wrap Up

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"Winter journal"  
due, Start final  
exam

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**Week 15**

6 Dec. FINAL EXAM DUE

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Final exam due

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