

## ENVIRONMENTAL SCIENCE Fall 2008

\*\*\*\*This schedule is subject to change- and mostly likely will several times during the semester!\*\*\*\*

W K	DATE	Lecture Topic	Readings	What's Due in CLASS	Weekly Lab	What's Due in LAB
1	W 8-27 NOTE: This is a Monday	Introduction			Business as Usual vs. Creative Sustainable Solutions Tour For Monday and Thursday labs	Questions for Mark Darling submitted to BB for Thursday lab
	F 8-29	Ecological footprint Tragedy of the Commons Sustainability	Miller Chapter 1			
<b>2</b>	<b>M 9-1</b>	<b>NO CLASS LABOR DAY</b>				
	W 9-3	Discussion of Ecological footprints and “Blowing up a \$60,000 SUV”	BB -Withgott Chapter 23 BB- “Blowing up a \$60,000 SUV”	Assignment #1- Ecological Footprinting	Business as Usual vs. Creative Sustainable Solutions Tour For Wednesday lab	Questions for Mark Darling submitted to BB for Wednesday lab
	F 9-5	<b>MEET AT FOOTBALL FIELD</b> Guest Lecture by Jason Hamilton – Reading the Landscape				
3	M 9-8	What is science? Systems and Modeling applied to an IC pond	Miller Chapter 2		Pond Lab	Business as Usual or Creative Sustainable Solutions Assignment
	W 9-10	Aquatic Biodiversity	Miller Chapter 6	BB Quiz – by 9 AM Chapters 2 and 6 and 8		
	F 9-12	Population Ecology	Miller Chapter 8			

4	M 9-15	Population Ecology Leann Kanda			Zebra Mussel Lab	Group Pond Data Due BB DISC 9 am M- Submit two hypotheses, including explanations defending your choices, to explain zebra mussel distribution of Cayuga Lake
	W 9-17	Community Ecology	Miller Chapter 7			
	F 9-19	Ecosystems, Evolution and Biodiversity	Miller Chapter 3 & 4	BB Quiz- 9am Miller Chapters 7, 3, 4		
5	M 9-22	Human Population DVD	Miller Chapter 9	BB DISC 9 am Submit at least one entry and one comment on another student's entry on Hertsgaard for class discussion	Treman State Park	Zebra Mussel Lab Report
	W 9-24	Human Population Dynamics  Discuss Hertsgaard Chapter 6	Hertsgaard Chapter 6 "How Population Matters"			
	F 9-26	Guest Lecturer Sandra Steingraber	Miller Chapter 18	BB Quiz 9 and 18		

6	M 9-29	Environmental Hazards and Human Health			Stick and Stone Farm	Bring five questions to ask the farmers on our tour Group Write-up for Treman State Park
	<b>W 10-1</b>	<b>Essay Exam 1</b>				
	F 10-3	Food Resources	Miller Chapter 13	Assignment #3 Resume/cover letter assignment		
7	M 10-6	“The Cornification of Food”			Water Resources Trip	
	W 10-8	Test review and course evaluations “The Cornification of Food” discussion		BB Quiz- 9 AM Chapters 13 and 14		
	F 10-10	Water Resources	Miller Chapter 14			
8	M 10-13	Dead Zones	<a href="http://www.smm.org/deadzone/top.html">http://www.smm.org/deadzone/top.html</a>  <a href="http://news.nationalgeographic.com/news/2005/05/0525_050525_deadzone.html">http://news.nationalgeographic.com/news/2005/05/0525_050525_deadzone.html</a>  <a href="http://www.tulane.edu/~bfleury/envirobio/enviroweb/DeadZone.htm">http://www.tulane.edu/~bfleury/envirobio/enviroweb/DeadZone.htm</a>		<b>NO LAB THIS WEEK</b>	
	<b>W 10-15</b>	<b>Essay Exam 2</b>		Assignment #4 Hands-On Project Write-up		

	<b>F 10-17</b>		<b>Fall Break</b>			
9	M 10-20	Non-renewable energy resources- Oil	Miller pp. 355-366		EcoVillage at Ithaca	
	W 10-22	Non-renewable energy resources- Coal And Natural Gas in Tompkins County	Miller pp. 368-371, 366-368			
	F 10-24	Nuclear Energy and Disposal	Miller pp. 371-383	BB Quiz 9 AM Chapter 16		
10	M 10-27	Discuss Hertzgaard Chapter 4	Hertzgaard Chapter 4 "To the Nuclear Lighthouse"	BB DISC 9 am Submit at least one entry and one comment on another student's entry on Hertzgaard for class discussion	Scranton Field Trip	Ecovillage write-up
	W 10-29	Renewable Energy Solar, Wind	Miller pp. 394-400, 401-402			
	F 10-31	Ithaca Biodiesel?		BB Quiz 9AM Chapter 17		
11	M 11-3	Hydrogen and Ethanol	Miller pp. 406-406, 410-413		Small Group Projects Intro	One page reflection on Coal Mine Tour
	W 11-5	Efficiency, Hydroelectric, Geothermal and Biomass	Miller pp. 384-394, 400-401, 403-406, 408-410			
	<b>F 11-7</b>	<b>Essay Exam #3</b>				
12	M 11-10	Global Climate Change	Miller Chapter 20	BB Quiz Chapter 20  Assignment #5 Graded in	NO LAB GROUP CONFERENCES on Assignment #5	

				conferences during lab		
	W 11-12	Global Climate Change II Discuss Hertsgaard Chapter 3	Hertsgaard Chapter 3 “The Irresistible Automobile”	BB DISC 9 am Submit at least one entry and one comment on another student’s entry on Hertsgaard for class discussion		
	F 11-14	Guest Lecture- Sean Vormwald Global Climate Change				
13	M 11-17	Air Pollution	Miller Chapter 19		Dumpster Diving	Small Group Projects Proposal Due
	W 11-19	Water Pollution	Miller Chapter 21			
	F 11-21	Solid and Hazardous Waste		Assignment #6 Local Pollution PPT Presentation		
	<b>NOV 22-30</b>		<b>THANKSGIVING BREAK</b>			
14	M 12-1	Discuss Hertsgaard Chapter 8	Hertsgaard Chapter 8 “Sustainable Development and the Triumph of Capitalism”	Small Group Projects Lab Report	Metal recycling Company	Dumpster Diving Results
	W 12-3	Small Group Presentations		Small Group Projects Lab Report		
	F 12-5	Small Group Presentations		Small Group Projects Lab Report		

15	M 12-8	Small Group Presentations		Small Group Projects Lab Report	<b>NO LAB</b>	
	W 12-10	Small Group Presentations		Small Group Projects Lab Report		
	F 12-12	<b>REVIEW</b>				