

Schedule of readings (subject to change)

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Week 1-The big view	January 17 & 19
What is ES, what are the problems? (Ch 1)	
Organizing principle: flows- energy, matter, money. (Ch 2.3, 2.2, and 2.1)	The atmosphere, flow of energy through it and global climate change. (Ch 9.1-9.4)
Week 2-Energy-> living systems	January 24 & 26
Energy into plants and out to other populations. (Ch 2.4, 2.5 and Ch 3)	Population dynamics (Ch 3)
Week 3-Global variations in ecosystems	January 31 & February 2
Biodiversity (Ch 5)	Conservation (Ch 6)
Week 4-Energy->people	February 7 & 9
Agriculture (Ch 7.1-7.3) needs and wants	Agriculture making it happen (Ch 2.6, Ch 7.4-7.9)
Week 5-People big numbers and big appetites	February 14 & 16
Human population dynamics (Ch 4)	Managing impact
Week 6-Energy->our things	February 21 & 23
Conventional (Ch 12)	and alternative (Ch 12)
Week 7-Other flows: \$	February 28 & March 1
Economics (Ch 14)	
Spring Break	March 6 & 8
Week 8-Flow of matter (water)	March 13 & 15
Water cycle (Ch 10.1-10.5)	and use
Week 9-Flow of matter (minerals)	March 20 & 22
Geology (Ch 11)	and the minerals we get from the earth
Week 10-Flow of wastes and toxins	March 27 & 29
How toxic is too toxic? (Ch 8)	
Week 11-Waste->air	April 3 & April 12
Air pollution (Ch 9.5-9.9)	
Week 12-Waste->water	April 17 & April 19
Water Pollution (Ch 10.6-10.9)	
Week 13-Waste->dump	April 24, 25 & April 26

Solid and Hazardous Waste (Ch
13)

Week 14-wrap-up	May 1 & 3
Presentations	
Final Exam	May