

ESCI 1301 – Introduction to Environmental Science - Spring 2016

T&Th 9:00-10:20 – UGLC 346

Instructor - James Kubicki

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Office hours - By appointment – 101 Geology

TA – Claire Bailey e-mail: chbailey@miners.utep.edu

Required Textbook – *Environmental Science: The Science Behind the Stories* 5th edition by Withgott & Laposata

The drop date for courses is April 1, 2016. After that date, the College of Science will not approve any course withdrawals. If the student withdraws from all courses for medical or other reasons, there can be exceptions.

Any cheating or plagiarism will be dealt with according to University policy.

- 1) Quizzes - 15% - In class on a daily basis**
- 2) Homework - 20%**
- 3) In-class writing assignments & discussions - 15%**
- 4) 2 exams - 20% each - Non-cumulative. Study guides will be posted on Blackboard before each test.**
- 5) Participation - 10% - Credit (1 point per day) is given for attending class and 1 extra credit point for participation.**

Date	Reading	Lecture Topic	Quiz Questions Based On
1/19	Ch. 1	Science & Sustainability	
1/21	Ch. 1	Science & Sustainability	Homework #1 due
1/26	pp. 468-473	Ozone Depletion	
1/28	pp. 468-473	Ozone Depletion	Homework #2 due
2/2	pp. 448-468	Air Pollution	
2/4	pp. 448-468	Air Pollution	Homework #3 due
2/9	pp. 487-491	Paleoclimates	
2/11	pp. 487-491	Paleoclimates	Homework #4 due
2/16	pp. 483, 492-506	Climate Change/Impacts	

2/18	pp. 484-488	Climate Change/Milankovitch & GHG	Homework #5 due
2/23	pp. 490-491, 494-495	Climate Change/Climate Models	
2/25	pp. 106-107 pp. 507-515	Climate Change/Feedbacks & Politics	Homework #6 due
3/1	Handout #1	Geoengineering	Handout #1
3/3	Handout #2	Climate Change	Discussion/ Writing Assignment #1
3/15		Earth: The Operator's Manual	Video Quiz/Discussion
3/17		Is Science For Sale?	Video Quiz/Discussion Class
3/22		REVIEW	All from 1/19 to 3/17
3/24		EXAM #1	All from 1/19 to 3/17
3/29	pp. 546-548	Energy Basics & Efficiency	
2/28	pp. 519-546	Petroleum/Natural Gas	
3/31	pp. 519-546	Petroleum/Natural Gas	Homework #7 due
4/5	Handout #3	Rainforest for Sale?	Class Discussion/ Writing Assignment #2
4/7	pp. 524-543	Coal	
4/12	pp. 524-543	Coal	Homework #8 due
4/14	pp. 554-566	Nuclear Energy & Radioactive Waste	
4/19	pp. 554-566	Nuclear Energy & Radioactive Waste	Homework #9 due
4/21	pp. 581-594, 602-605	Alternative Energy – Solar & H ₂	
4/26	pp. 574-576, 594-598	Alternative Energy – Hydro & Wind	Homework #10 due
4/28	pp. 566-573	Alternative Energy Sources - Biomass	
5/3	Handout #4	Green Dreams	Class Discussion/ Writing Assignment #3
5/5		Review	All from 3/29 to 5/3
		FINAL	All from 3/29 to 5/3

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