

Global Climate Change	Dr. Richard Mitterer
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Course Objectives: Concerns about global climate change are both scientific and political, and informed political decisions must be based on science. This course covers the basic science relevant to current concerns about global warming and ozone depletion. Global climate changes in the past also provide insight into future prospects. This course has no prerequisites.

Lecture Topics	Lecture Topics	Readings
	The Earth System	ACh. 13; TCh. 5
	Atmosphere & Ocean Circ.	TCh. 5 (pp. 100-102)
	El Niño	TCh. 8
	Ozone Hole	
Test 1	Wednesday, March 1	
	Carbon Cycle; Greenhouse	TCh.1 (pp. 10-21)
	Past Climate 1	ACh. 1, 9, 10, 11; TCh. 4 & 6
	Past Climate 2	Same as previous
	Recent Climate and Future	ACh. 16, 17, 18; TCh. 7
Final exam	Wednesday, March 27	

Grading: 1st test (30%), Final (70%)

References:

Global Environmental Change: Past, Present, and Future (Turekian)-On Reserve in Library; readings in this book indicated by T above.
 The Two Mile Time Machine (Alley) - can be purchased at Bookstore; also on Reserve; readings indicated by A above.

