

Fall 9-1-2000

## GEOL 109.01: Environmental Geoscience

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**Environmental Geoscience --- Geology 109**  
**Gray Thompson - Fall, 2000**

<u>Week</u>	<u>Discussion Topic</u>	<u>Reading in</u> <u>"Earth Science and</u> <u>the Environment"</u>
1	The Global Environment: Earth Systems Interactions	Chapter 1; pages 16 - 20, 175 - 179, 284 - 287, 342 - 345
2	Earth Systems Interactions and The Global Environment, cont; Earth Materials and the Environment: Rocks and Minerals	Chapters 2 and 3
3	Earth Materials and the Environment: Rocks and Minerals	Chapters 2 and 3
4	Geologic Time	Chapter 4
5	The Active Earth: Plate Tectonics	Pages 84 - 86, Chapters 5, 8, and 13
6	FIRST MIDTERM EXAM Plate Tectonics, con't	Chapters 5, 8, and 13
7	Geologic Hazards: Earthquakes	Chapter 6
8	Geologic Hazards: Volcanoes	Chapter 7
9	Geologic Hazards: Landslides, Weathering, Soil, and Erosion	Chapter 9
10	Water Resources: Streams, Ground Water, Lakes, and Wetlands	Chapter 10
11	Water Resources, con't	Chapter 10
12	SECOND MIDTERM EXAM Earth's Changing Climate: The Ice Ages	Chapter 11

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| 13 | Earth's Changing Climate: Deserts               | Chapter 12  |
| 14 | Earth's Changing Climate: Global Climate Change | Chapters 17 (ignore Section 17.4) and 18 (For interesting background information about weather and climate that will not be on exams, also read Chapters 15 and 16) |
| 15 | Climate and Global Climate Change - con't       | Chapters 17 and 18  |

Text: Earth Science and the Environment, G. R. Thompson and J. Turk, Saunders College Press/Harcourt Brace, New York, 1999, 589pp.

Course grading will be based on 25% for each of the two midterm exams and 50% on the final exam.

Final exam: Thursday Dec. 21, 1:10 - 3:10.