

GEOL 111 Sec. 2: Understanding the Earth Fall 2008

<u>Date</u>	<u>Lecture Topic</u>	<u>Reading Assignment</u>
Aug 26	Introduction	p.1-17; 26-31
Aug 28	The Earth	p. 17-25
Sep 2	Geologic Time: Relative Age Dating	p. 247-258
Sep 4	Geologic Time: Absolute Age Dating and the Geologic Time Scale Homework 1 Due: The Earth	p. 259-272
Sep 9	Plate Tectonics and Continental Drift	p. 34-45; 53-64; 380-400
Sep 11	Paleomagnetism and Plate Tectonics Homework 2 Due: Age Dating	p. 45-53; 64-74; 380-400
Sep 16	Quiz #1. Rocks and Minerals	p. 70-99
Sep 18	Mineral Structures	
Sep 23	Igneous Rocks	p. 100-123
Sep 25	Volcanoes	p. 124-158
Sep 30	Volcanic Hazards and Intrusions	p 159-163
	Quiz #2. Volcanic Hazards Case Study:	
Oct 2	Hotspot Volcanism in Hawaii and the Snake River Plain, Idaho	
	Volcanic Hazards Case Study:	
Oct 7	Mt. St. Helens. Predicting Volcanic Eruptions	
Oct 9	Exam 1	
Oct 14	Soil Formation. Sedimentary Rocks and Processes	p. 182-208; 210-234
Oct 16	Sedimentary Processes and Environments	p. 234-240
Oct 21	Quiz #3. Metamorphic Rocks and Processes	p. 242-265
Oct 23	Case Study: Italian Marble Metamorphic Facies	p. 265-268
Oct 28	Rock Deformation: stress and strain, folds and faults	p. 300-324
Oct 30	Quiz #4. Earthquakes: Seismic Waves	p. 326-340; 360-372
Nov 4	Election Day Holiday	
Nov 6	Measuring Earthquakes	p. 340-358
Nov 11	Veterans Day Holiday	
Nov 13	Earthquake Hazards in Hawaii and Tsunami Homework 3 Due: Earthquakes	
Nov 18	Exam 2	
Nov 20	Hydrologic System: Surface Water Rivers and Streams	p. 466-501
Nov 25	Floods	
Nov 23	Thanksgiving Holiday	
Dec 2	Groundwater Homework 4 Due: Floods	p. 502-529
Dec 4	Glaciers and Glaciation: Climate Change	p.530-564
Dec 9	Quiz #5. Energy Resources: Petroleum	p. 622-636
Dec 11	Alternate Energy Sources	p. 636-644
Dec 18	Final Exam 7:30-9:30 AM	

