

Earth & Env. Sciences 111**Fall, 2003****Physical Geology**

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Office Hours MWF 1:00 - 4:00 PM

Course Goals and Objectives: The objective of this course is to give the student a basic understanding of the physical and chemical processes that occur on and within the Earth, the sources of energy that drive these processes, and an understanding of how these processes have given rise to present state of the Earth through time, and how they continue to act to affect our everyday lives.

Textbook: *The Dynamic Earth an Introduction to Physical Geology, 5th Edition* by Brian J. Skinner, Stephen C. Porter, and Jeffrey Park.

Course Grading: Your grade in the course will be based on the following distribution of work:

Lecture Exam 1	25%
Lecture Exam 2	25%
Quizzes	15%
Final Exam	35%

The dates of the exams are given in the schedule below. These dates are fixed. Quizzes will occur randomly throughout the course. These will consist of short questions on material recently covered in lectures. Two quiz grades will be dropped before determining your final quiz grade.

NOTE: There will be NO Make-up Exams. All exams and quizzes are cumulative, that is they could involve any material covered up to the point of the exam or quiz.

Lecture notes and new announcements that might take place during the course can be found on the EENS 111 homepage at: <http://www.tulane.edu/~sanelson/geol111/> Check back with this page often as material on the web page is updated on a regular basis.

Tentative Schedule of Lectures and Reading Assignments
(All readings from Skinner, Porter & Park)

Date	Topic	Reading
Aug 28	Planet Earth & Plate Tectonics	Chapters 1 & 2
Sept 2	Plate Tectonics, Minerals	Chapters 2 & 3
Sept 4	Minerals	Chapter 3
Sept 9	Igneous Rocks	Chapter 4
Sept 11	Magmas & Volcanoes	Chapter 5
Sept 16	Weathering & Soils	Chapter 6
Sept 18	Sedimentary Rocks	Chapter 7

Sept 23	Metamorphic Rocks	Chapter 8
Sept 25	FIRST MIDTERM EXAM	Chapters 1 - 8
Sept 30	Deformation of Rock	Chapter 9
Oct 2	Deformation of Rock & Earthquakes and the Earth's Interior	Chapter 10
Oct 7	Earthquakes and the Earth's Interior	Chapter 10
Oct 9	Geologic Time	Chapter 11
Oct 14	Geologic Time & Changing Face of the Land	Chapters 11 & 12
Oct 16	Mass Wasting	Chapter 13
Oct 21	Streams & Drainage Systems	Chapter 14
Oct 23	Streams & Drainage Systems	Chapter 14
Oct 28	Groundwater	Chapter 15
Oct 30	SECOND MIDTERM EXAM	Chapters 1- 15
Nov 4	Glaciers and Glaciation	Chapter 16
Nov 6	Glaciers and Glaciation	Chapter 16
Nov 11	Atmosphere, Winds & Deserts	Chapter 17
Nov 13	The Oceans and Their Margins	Chapter 18
Nov 18	Climate & Our Changing Planet	Chapter 19
Nov 20	Climate & Our Changing Planet	Chapter 19
Nov 25	Earth through Geologic Time	Chapter 20
Nov 27	THANKSGIVING HOLIDAY	
Dec 2	Resources of Energy and Minerals	Chapter 21
Dec 4	Resources of Energy and Minerals	Chapter 21
Dec 15	FINAL EXAMINATION 8:00 AM - 12:00 PM	Chapters 1 - 21

[Back to EENS 111 Home Page](#)