

GEO 109 Introduction to Geology (3)
Winter 2007

INSTRUCTOR: Mr. Mark Hendriks
OFFICE HOURS: by appointment (before or after class)
CLASS TIMES: Tuesdays, 6:30 – 9:15 PM
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OFFICE: #515
LOCATION: Room # 633

Required Textbook

Stanley Chernicoff & Haydn A. Fox. Essentials of Geology. Houghton Mifflin Co.: New York, 2005

Course Description

Basic concepts regarding the major features of Earth; its rock and mineral composition, processes controlling erosion, transportation, deposition, distribution of sediments and rocks and associated landforms; formation of mountains, ocean basins and continents; internal structures of Earth and plate tectonics.

Course Schedule

January	16	Introduction to the Earth and Geology
	23	Plate Tectonics
	30	Minerals/Igneous Rocks and Processes
February	06	Igneous Rock and Processes (cont.)
	13	Sedimentary Rocks and Processes
	19-23	Mid Term Break
March	27	Metamorphic Rocks and Processes
	06	Mid Term Exam
	13	Geologic Time and Dating
	20	Earth Interior / Volcanoes
April	27	Faults, Folds and Mountains
	03	Coastal Processes
	10	Streams and Flooding/Mass Movement (papers due)
	17	Glaciers
	21-26	Final Examinations

Class Notes

General class notes for the course are available online please see handout for more information on how to access these. Online notes are **not** complete but need to be augmented in class by students. Print online notes and bring them to the lecture.

Examinations

Two exams will be given to the class, a mid-term exam and a final exam

The mid-term exam will consist of sixty (60) multiple choice and some fill-in-the-blank questions and the final will consist of seventy (70) multiple choice questions. The final exam will address mostly new material since the mid-term.

A one page note sheet (8.5 x 11 inches, hand written, one side, original – no photocopies) may be prepared to be used by the student during both the midterm and final examination. The note sheet **must** be handed in with the examination.

Paper

A paper covering a geological topic will be required of each student. This paper will be due 2 weeks prior to term end. The paper will lend itself to philosophy of science causing students to think about aspects of geological science as they relate to the interpretation of Scripture.

Grading Schedule

Mid-term exam	35%
Paper	20%
Final exam	45%