

GEOLOGY 100: EARTH IN ACTION

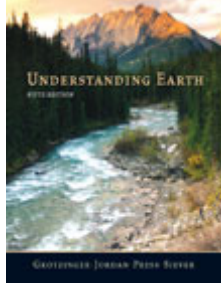
(T,U 9:30-10:45 AM) Fall 2006

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WEEK	TOPIC	TEXT
Aug. 22-24	Earth System, clicker setup	Ch. 1
Aug. 29-31	Plate Tectonics: The Unifying Theory	Ch. 2
Sept. 5-7	Earth Materials: Minerals and Rocks	Ch. 3
Sept. 12-14	Igneous Processes: Rocks from Cooling Melts	Ch. 4
Sept. 19-21	Sedimentation: Rocks Formed by Surface Process.	Ch. 5
Sept 26-28	Metamorphism: Modification of Rx by T&P	Ch. 6
Oct. 3	EXAM 1	
Oct. 5	Deformation: Folding and Faulting	Ch. 7
Oct. 10-12	Reading the Rock Record	Ch. 8
Oct. 17-19	Early History of the Terrestrial Planets and Evolution of the Continents	Ch. 9,10
Oct. 24-26	Weathering, Soils, and Mass Wasting	Ch. 16
Oct. 31-Nov. 2	Volcanoes	Ch. 12
Nov. 7-9	Earthquakes	Ch. 13
Nov. 14-16	Earth's Interior	Ch. 14
Nov. 21	EXAM 2	
Nov. 23	Thanksgiving	
Nov. 28-30	Groundwater and the Hydrologic Cycle	Ch. 17
Dec. 5-7	Glaciers the Work of Ice	Ch. 21
Dec 15 (2:00 -3:50pm)	----- FINAL EXAM	

TEXT: **Understanding Earth, Fifth Edition**
John Grotzinger (California Institute of Technology)
Thomas H. Jordan (U. of Southern California)
Frank Press (Washington Advisory Group)
Raymond Siever (Harvard U., Emeritus)
W.H. Freeman and Company, 2005
ISBN: 0-7167-6682-5



OFFICE HOURS: Room 208B Thompson Hall
T, U 10:45-11:45 and other times by appointment.

COURSE DESCRIPTION: This course introduces you to the study of the Earth over time, which includes life forms and ecosystems. Many compelling world problems, ranging from energy supplies, availability of potable water, pollution, global climate change, food shortages, and natural disasters (like the recent tsunami) will only be solved with an understanding of the earth and the way it has varied over time.

K-STATE ONLINE: For this course you will need to have access to K-State Online. You can access it through the K-State homepage at www.ksu.edu. Log in with your user ID and a personal password of your choice. This site will provide you with course information, and access to your exam scores.

ASSIGNMENTS & CLASS ATTENDANCE: You will be expected to read the appropriate portions of the text. Class lectures will complement the textbook. Regular class attendance is essential for you to be able to succeed in this course. This class will use electronic feedback devices (clickers), which will record your attendance.

QUIZZES: There will be daily quizzes (between 2-5 questions) to be answered using your clicker devices. It is important that you remember to bring them to class!

EXAMS: There will be two exams during the semester on the dates indicated, and a final exam. The final exam will be comprehensive. All exams are multiple choice and will be recorded on computer scan cards.

GRADING: All grades will be available confidentially on the class KSU-Online site by individual password. The combined score of your quizzes will count the equivalent of an exam grade. Each exam is worth 25% of your total grade. The final exam will test all of the reading and lecture material covered during the semester, and will be worth 25% of your final grade.

MAKE-UP EXAMS: There are no makeup exams. If you believe you have extenuating circumstances, contact me as soon as possible.

HONOR CODE: An honor system for undergraduate students has been in effect since 1999. In this system, the honor pledge is implied, whether or not it is stated: "on my honor, as a student, I have neither given nor received unauthorized aid on this academic work." Plagiarism, copying of other's work, use of written or other aids during hourly exams, all constitute violation of this pledge. A grade of XF can result from a violation of academic honesty. An XF would be failure of the course with the X on the transcript indicating failure as a result of a violation of academic honesty.