

GEOL1312 -- PRINCIPLES OF EARTH SCIENCE 2 -- SPRING 2009

http://www.geo.utep.edu/pub/jasper/geol_1312

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	or by appointment	

*Note: We cannot guarantee prompt response on webCT, so please use above email addresses for electronic communication

Course lecture day/time: TR 8:00 - 8:50 am

Room: GEOL. 123

Course Ref. Number: 23704

Course Description: Study of the earth as a planet. A survey of earth history as interpreted from and exhibited by plants, animals, rocks, and minerals; a study of the earth in space; a survey of physical processes operating in the hydrosphere. Includes an introduction to historical geology, astronomy, physiography, and oceanography. Concurrent laboratory enrollment is required. Prerequisites: Geology 1311 (formerly 1303).

Laboratory: You are required to register for and attend one of the scheduled laboratory sessions below. If you miss a lab, you must make arrangements with your lab instructor to make it up. Lab sections begin meeting on the 2nd week of classes. Lab manuals are available at the bookstore for ~ \$10.

<u>CRN</u>	<u>Day</u>	<u>Time</u>	<u>Room</u>	<u>TA & email address</u>
23556	M	6:30 - 8:20 p.m.	210	Cecilia Prado cdelpardo@miners.utep.edu
23558	T	10:00 - 11:50	210	Cecilia & Oscar Romero cdelpardo@miners.utep.edu
24715	F	7:30 - 9:20 a.m.	210	Joe Clarke wjclarke@miners.utep.edu
23559	W	12:30 - 2:20	210	Antony Wamalwa amwamalwa@miners.utep.edu
23705	W	4:30 - 6:20	210	Carlos Martinez cmmartinez8@miners.utep.edu
23706	R	11:30 - 1:20	210	Scott Fitzpatrick swfitzpatrick@miners.utep.edu

Required Textbook: Title: Earth Science & the Environment
Authors: Thompson & Turk Publisher: 3rd edition

Class Policies

Attendance: While attendance will not be taken in class, we will have the occasional in-class quiz (Question of the Day) that will require your participation (see grading policy below). In addition, *some aspects of the course material will be covered in more detail in class than is given the text*, so it is highly recommended that you not only bring your body to class, but your mind and your concentration as well.

Grading: See below for more information on grading policy. **Note that this lecture course is 67% of your grade. The laboratory course makes up the remaining 33%.**

Question of the Day	5%	} Lecture = 67%
Homework assignments	12%	
Mid-Term Exam 1	15%	
Mid-Term Exam 2	15%	
Final Exam	20%	
+ Laboratory grade	33%	
	100%	

Letter grade breakdown:

- A = 90%+
- B = 80 – 89%
- C = 70 – 79%
- D = 60 – 69%
- F = < 60%

Question of the Day: In some classes (chosen randomly) there will be a “Question of the Day” quiz. This will be a single question and a correct answer will give you 1 point. These questions will usually be based on material covered in the previous class and will be straightforward in nature, testing learning rather than memorization. These questions will count a total of 5% toward your grade and up to 3 points (3%) can be used for extra credit.

Homework: Homework assignments will be assigned semi-regularly. Each assignment will have a specified “due date”, which will typically be one week after the assignment is given. Homework must be turned in at the BEGINNING of class. **NO LATE HOMEWORK WILL BE ACCEPTED.** No homework may be submitted through email unless prior arrangements have been made (with an excused absence).

Free-homework-pass: Your lowest graded homework will not be counted in your final grade tally. This means that you have ONE no-questions-asked excused homework, so use it wisely.

Homework format: Homework must be handwritten and LEGIBLE. Messy homework will not be tolerated and will be returned without a grade. Correct grammar and spelling will be expected and deductions will be taken for ambiguous or incomprehensible answers.

Late homework: Because you can drop your lowest homework grade (see above), late homework will NOT be accepted.

Working together on homework: Studies have shown that students learn best when they work together. We encourage you to work with each other on assigned homeworks. However, each student must turn in his or her own assignment, written using his or her own words. Any student who fails to follow this rule will receive zero credit for the assignment.

Exams: There will be two midterm exams and one final exam. The midterm exams will each consist of ~ 50 multiple-choice questions. The final exam will be cumulative with ~ 100 multiple-choice questions and will cover material from the entire semester.

Make-up/early exams: Make-up exams will not be given except when a student misses the exam for a legitimate reason, such as illness or family emergency (a doctor's note is required in the case of illness). Please contact us as soon as possible if such a situation arises. Anyone with sporting event conflicts must provide at least 2 weeks notice with appropriate signed paperwork.

Note that make-up and/or early exams will be essay format and will be substantially more difficult than the standard multiple-choice exam given to the rest of the class.

Plagiarism: Blind copying of intellectual material (text) from resources such as books, journals, and the internet is plagiarism and is illegal. Instead, you should write things in your own words with a proper reference to your source. If any exercises or labs require you to look up an answer in something else than the class textbook, we will expect you to reference the source and write it in your own words. Any plagiarized work will receive "0" for the whole assignment and cannot be re-done or made up.

Drop Policy: The course drop deadline is April 3. The last day to completely withdraw from all courses is May 7. You will need to fill out a Drop Card with the Registrar's Office to drop the course. Non-attendance will NOT result in being dropped, but you will get zeros for the remaining work and likely fail the class.

Students with Disabilities: If you think that you may have a disability or if you are experiencing learning difficulties, please contact the Disabled Student Services Office (915-747-5148, voice or TTY), in the Union East, Room 106.

Tentative Lecture Schedule

Week	Dates	Lecture Topic	Chapter
1	1/20	Course Introduction	
	1/22	Elements & Minerals	2.1-2.6
2	1/27	Plate Tectonics Review	6.1-6.6
	1/29	Igneous & Metamorphic Rocks	3.1-3.2, 3.4
3	2/3	Sedimentary Rocks & Structures	3.3
	2/5	Fossils & Weathering	3.3, 10.1, 10.5
4	2/10	Stratigraphy & Age Dating	4.1-4.4
	2/12	Geologic History & Extinctions	4.0, 4.5
5	2/17	Midterm review	--
	2/19	Midterm	--
6	2/24	Astronomy 101	22.1-22.3, 22.5, 24.1
	2/26	Celestial Motions: Seasons & Eclipses	18.4 22.4
7	3/3	The Moon	22.4 23.4
	3/5	Mercury & Venus	23.2 23.3
8	3/10	Mars	23.5
	3/12	Jupiter, Saturn	23.6-23.7
9	3/17	Spring Break – no class	--
	3/19	Spring Break – no class	--
10	3/24	Uranus, Neptune, Pluto	23.8-23.9
	3/26	Icy Moons	23.6-23.7
11	3/31	Cesar Chavez Holiday – no class	
	4/2	Space Junk: meteors, asteroids and comets	23.10
12	4/7	Midterm review	--
	4/9	Midterm	--
13	4/14	Water & Life on Planets	Assigned reading
	4/16	Hydrology	11.1-11.5
14	4/21	Ground Water & Water in El Paso	11.6
	4/23	Oceanography	15.1-15.3 16.1-16.2
15	4/28	Features of the Sea Floor	15.4
	4/30	Oceanic Rocks & Continental Margins	15.5-15.6
16	5/5	Tides, Waves, Currents, and Beaches	16.3-16.8
	5/7	Final Review	
17	5/14	Final Exam (Thursday) 7:00 – 9:45 am	