

Geology 10113 -- Understanding the Earth

Professor: Dr. Ken M. Morgan

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Office Hours: I am here most days, but please email to set up an appointment

Lectures: Monday and Wed, 10 AM till 10:50 AM

Labs: SWR 238-Lab attendance is required at your scheduled lab time on **Mondays**.

Text for lecture: "Earth: An Introduction to Physical Geology" Tarbuck,Lutgens,Taza (10th)

Required text for lab: "Laboratory Manual for Geology 10113" (Provided in lab)

GRADING

Your class grade is based on the results of two lecture exams (20% each) and a final exam (40%) and Lab counts 20% toward your final course grade. The letter grades are based *approximately* on 90-100=A, 80-89=B, 70-79=C, 60-69=D, below 60=F.

EXAMS

No make up exams will be given unless you have a University approved excuse.

Students who have University excuses to miss labs or exams must notify me or your lab instructor in advance of the absence if possible. You are required to do your "own" work during all exams in this class. Failure to do so could result in an F in the course (Sec. 3.4 of the Student Handbook, Student Misconduct). I reserve the right to give unannounced quizzes if situations warrant.

CLASS ATTENDANCE & CONDUCT

Attendance may be taken from time to time. Appropriate student conduct is outlined in the Student Handbook (Sec. 3.4). Please do not eat, drink, or smoke in the lecture room.

DROPPING

You have until Thursday, March 10 to withdraw without Dean's approval.

LABORATORY EXERCISES

It is crucial that you are on time for lab. You will be given a 10 point quiz at the end of each lab for a total of 100 points. Two lab exams (see the syllabus) will also be given during the semester. The average of these two exams and the quizzes will be turned in to me at the end of the semester and will count 20% toward your final grade in the course. No food, drinks, or tobacco products are permitted in lab.

You should always bring your lab manual and textbook to lab and have already looked over the lab exercise. A good pencil and eraser will be handy in lab (ink pens are difficult to erase). You may occasionally need a calculator. Each student should individually complete the required lab exercises in order to prepare for lab exams.

DISABILITIES STATEMENT

Texas Christian University complies with the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973 regarding students with disabilities. Eligible students seeking accommodations should contact the Coordinator of Student Disabilities Services in the Center for Academic Services located in Sadler Hall, 11. Accommodations are not retroactive, therefore, students should contact the Coordinator as soon as possible in the term for which they are seeking accommodations. Further information can be obtained from the Center for Academic Services, TCU Box 297710, Fort Worth, TX 76129, or at (817) 257-7486.

Lecture and Lab Schedule - Geology 10113

Date	Lecture (Chapter in Textbook)	Lab Schedule (Mondays)
Jan 10	Introduction (1)	No labs
12	Meteorites-Origin of the Universe (22)	
17	MLK Holiday	No Labs
19	GeoPolitics— War & Geology	
24	Minerals and Gems (3)	#1 Planetary Geology
26	Igneous rocks (4)	
31	Volcanic Activity (5)	#2 Intro to Minerals
Feb 2	Weathering/Sed rocks (6)	
7	Sedimentary History- The Great Floods (7)	#3 Igneous Rock
9	Metamorphic Rocks (8)	
14	Oil & Gas Exploration (21)	#4 Sed/Meta Rocks
16	EXAM #1	
21	Relative geologic time (9)	Lab Review for Exam #1
23	Absolute geologic time (9)	
28	Running Water-Rivers (16)	Lab Exam #1 (Labs 1-5)
Mar 2	Groundwater (17)	
7	Deserts & Winds (19)	#5 Reading & Making Map
9	Shorelines/Tsunamis (20)	
Last Day to Withdraw --March 10		
14-20	----Spring Break----	
21	Glaciers I (18)	#6 Contour Maps
23	Ice Ages Past & Future (18)	
28	Global Climate Change (21)	#7 Field Trip 1
30	EXAM #2	
April 4	Crustal Deformation--Folds (10)	#8 Field Trip 2
6	Crustal Deformation--Faults (10)	
11	Devastating Earthquakes (11)	#9 Geologic Sequence
13	Earth's Interior (12)	
18	Continental Drift (2,13)	Lab Exam 2
20	Plate Tectonics I (2, 13)	
25	Plate Tectonics II—Fate of Hawaii (13,14)	No labs
27	Review	

Final Exam—200 pts – 8 am-10:30 Wed, May 4

THE FINAL EXAM

The final exam, worth 200 points, will take place in this lecture hall. In general it is not possible to take the final exam earlier or later than the assigned test date unless you are a graduating senior; this is a university rule (any exceptions have to be approved by me). However, no students are required to take more than two final exams in a twenty-four hour period. I will work with any student to set a new time for the exam, if this should happen. If a change is warranted, arrangements must be made prior to the beginning of the last week of regular class sessions before final examinations begin.