

PHYSICAL GEOLOGY - Geol 1 (Schedule # 57377)

Fall Semester, 2010

W 11:00am-12:15pm PHY 77

F 11:00am-3:20pm PHY 75

Dr. David Cehrs 875-9495

I have no office or office hours, consider lab office hours.

Text: Physical Geology by Plummer, McGeary, & Carlson (any addition will do)

Lab Manual: Laboratory Manual for Physical Geology by Zumberge, Rutherford, & Carter

Course Objectives: Geology 1 is a survey course in physical geology that fulfills the a CSU general education requirement for science and is the introductory class for geology majors. The course and lab introduces the student to the broad topics of earth materials, subsurface processes, surficial processes, and resources. This will include the study of rocks, minerals, earthquakes, plate tectonics, weathering, erosion, glaciers, ground water, maps and other topics.

Exams: 4 mid-term lecture tests, the lowest grade will be dropped, there will be no make ups. A missed test will count as the dropped score. **The final is mandatory and can not be dropped**, it will consist of approximately ½ lecture (since the last test) and ½ review. Exam grading: A - $\geq 80\%$, B - $\geq 70\%$, C - $\geq 60\%$, D - $\geq 50\%$, F - $< 50\%$. Students are responsible for all the material contained in the assigned chapters of the textbook plus any additional materials covered during lectures. Fraudulent behavior during tests is graded with a zero.

Laboratory: Laboratory exercises will be assigned. They are due the following week. They are graded on a basis of ✓+ (3), ✓ (2), ✓- (1), or zero if not turned in. If they are late the earned grade will be dropped by one value for each week it is late.

Course grading: A - $\geq 80\%$, B - $\geq 70\%$, C - $\geq 60\%$, D - $\geq 50\%$, F - $< 50\%$.

50% Lecture exams

25% Laboratory - tests and exercises

25% Final

Attendance: Attendance is mandatory and will be recorded daily. If a student misses four consecutive class meetings or two laboratories without notification, the student will be dropped from the class.

Last day to change a class to or from CR-NC grading is September 17th.

Drop date: Last day to drop this course is **Friday, October 15** (a letter grade is issued after this date).

Tentative Schedule &
Text Chapters to Read Before Lecture.

Read the entire chapter before the lecture,
be able to answer the two sets of review questions at the back of each chapter:
Testing Your Knowledge and Expanding Your Knowledge.

Week of	Lecture topics	Lab
Aug	16 Chpts 1,2,3,& 4	Minerals
	23 (Intro, Minerals,	"
	30 Igneous, Volcanism)	Minerals & Rocks
Sep	6	Rocks (Field trip)
	13 <u>TEST</u>	"
	20 Chpts 5,6,7,& 8	<u>LAB TEST</u> & Maps
	(Weathering, Sediments, Metamorphism, Time)	
	27	Air Photos
Oct	4 <u>TEST</u>	Time
	11 Chpts 15,16 & 17	Volcanism
	(Structures, Earthquakes, Earth Interior)	
	18	Structure
	25	Earthquakes
Nov	1 <u>TEST</u>	Coast lines
	8 Chpts 18,19,20,& 21	Plate Tectonics
	(Sea Floor, Tectonics, Mountains, Resources)	
	15	Ground water
	22	
	29 <u>TEST</u>	Running water
Dec	6 Chpts 9,10, & 11	Field trip
	(Mass Wasting, Streams, Ground Water)	
	13 <u>FINAL</u> - Dec 15th, 11am-12:50 pm PHY 77	