

PHYSICAL GEOLOGY - Geol 1

Fall Semester, 1999

T-Th 1:00pm-2:15pm PS75

Th 2:20pm-5:15pm PS75

Dr. David Cehrs 875-9495

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

Text: Physical Geology by Plummer, McGeary, & Carlson

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.

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.

Exams: 4 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 will consist of approximately 1/2 lecture (since the last test) and 1/2 review. Exam grading: A - ≥80%, B - ≥70%, C - ≥60%, D - ≥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.

Course grading: A - ≥80%, B - ≥70%, C - ≥60%, D - ≥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.

Drop date: Last day to drop this course is **Friday, September 17** (a letter grade is issued after this date).

Tentative Schedule &
Text Chapters to read before lecture.

Week of	Lecture topics	Lab
Aug 17	Chpts 1,2,3,& 4	Minerals
24	(Intro, Minerals,	"
31	Volcanism, Igneous)	Minerals & Rocks
Sep 7		Rocks (Field trip)
14	<u>TEST</u>	
21	Chpts 5,6,7,& 8	"
	(Weathering, Sediments,	<u>LAB TEST</u> & Maps
	Metamorphism, Time)	
28		Air Photos
Oct 5	<u>TEST</u>	Time
12	Chpts 15,16 & 17	
	(Structures, Earthquakes,	Volcanism
	Earth Interior)	
19		Structure
26		Earthquakes
Nov 2	<u>TEST</u>	Coast lines
9	Chpts 18,19,20,& 21	Ground water
	(Sea Floor, Tectonics,	
16	Mountains, Resources)	Plate Tectonics
23		
30	<u>TEST</u>	Running water
Dec 7	Chpts 9,10, & 12	Field trip
	(Mass Wasting, Streams,	
	Glaciers)	
14	<u>FINAL</u> - Dec 14th, 1-3 pm PS75	