

PHYSICAL GEOLOGY - Geol 1

Spring Semester, 1998

T-Th 11:00am-12:15pm PS76

Th 2:00pm-4:50pm PS75

Dr. David Cehrs 875-9495

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

Text: Physical Geology by Plummer & McGeary

Lab Manual: Laboratory Manual for Physical Geology by Zumberge, Rutford, & 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, March 13** (a letter grade is issued after this date).

Tentative Schedule &  
 Text Chapters to read before lecture.  
 Read the entire chapter, be able to answer review questions  
 at the end of the chapter.

Week of	Lecture topics	Lab
Jan 12	Chpts 1,2,3,& 4	Minerals
19	(Intro, Minerals,	"
26	Volcanism, Igneous)	Minerals & Rocks
Feb 2	<u>TEST</u>	Rocks
9	Chpts 5,6,7,& 8	"
16	(Weathering, Sediments,	<u>LAB TEST</u> & Time
23	Metamorphism, Time) <u>TEST</u>	Maps
Mar 2	Chpts 15,16,& 17	Structure
9	(Structures, Earthquakes,	Earthquakes
16	Earth Interior) <u>TEST</u>	Air Photos
23	Chpts 18,19,20,& 21	Volcanoes
30	(Sea Floor, Tectonics,	Plate Tectonics
Apr 13	Mountains, Resources)	Coast Lines
20	<u>TEST</u>	Running water
27	Chpts 9, 10, 11,& 12	Ground water
May 4	(Mass Wasting, Streams,	Glaciers
11	Ground Water, Glaciers)	Field Trip
18	<u>FINAL</u> - May 19th, 10:30am PS76	