

Spring 2015, Geol. 0015, **Physical Geology Lab**

Lab Thursday 2:00-4:50, Instructor Dr. Ryan Kerrigan, 227A Krebs, X2942, kerrigan@pitt.edu

Text: No Lab Text

GEOL 0015 PHYSICAL GEOLOGY 4 cr.

The goal of this course is to provide students with a basic understanding of geology and its processes and an appreciation of how geology relates to the human experience. The required laboratory work includes the study and identification of rocks and minerals; the interpretation of topographic maps, aerial photographs, and geologic maps; the Earth's interior; earthquakes, plate tectonics, geologic history, the study of glaciers and ground water. Several lab sessions will be local area field trips.

TENTATIVE SYLLABUS: (Subject to change with notice)

<u>Week #</u>	<u>Date</u>	<u>Class Topic</u>
1.	Jan. 8	Topographic Maps #1
2.	Jan. 15	Topographic Maps #2
3.	Jan. 22	Minerals and mineral properties #1
4.	Jan. 29	Minerals and mineral properties #2
5.	Feb. 5	Igneous rocks
6.	Feb. 12	Sedimentary rocks
7.	Feb. 19	Metamorphic rocks
8.	Feb. 26	Mid Term Exam covering Topo Maps, Minerals, and Rocks
9.	Mar. 5	Field Trip #1: Treasure of the Earth
10.	Mar. 19	Plate Tectonics
11.	Mar. 26	Seismology
12.	Apr. 2	Geologic time
13.	Apr. 9	Structural geology and Geologic Maps
14.	Apr. 16	Field Trip #2: Local Geologic Sites

Course grade / assignments: The lab portion of your course grade is approximately 35% of your total grade. The lab grade will be evaluated by the grade earned on individual labs, your participation on field trips, and the lab mid-term (February 26th).

Class Attendance Policy: You are expected to be present for all lab sessions. All labs assignments are due the following lab period from when they were assigned. However, it is highly encouraged that you complete the assignments during the lab period when your instructor is present to help you with any issues. Assignments that are missed due to unexcused class absence cannot be made up and a score of zero (0) will be recorded. All assignments are expected to be turned in on time. Exceptions will be handled on an individual basis after conference with instructor.

<u>Grade Scale:</u>	A+ 98-100%	B+ 87-89%	C+ 77-79%	D+ 67-69%
	A 93-97%	B 83-86%	C 73-76%	D 63-66%
	A- 90-92%	B- 80-82%	C- 70-72%	D- 60-62%

Disability Accommodations:

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Office of Health and Counseling Services, G-10 Student Union, 814-269-7119 as early as possible in the term. The Office of Health and Counseling Services will verify your disability and determine reasonable accommodations for this course.