

## EPS 105L Spring 2018 - Physical Geology Laboratory

**Instructor:** Dr. Kevin Hobbs **Email:** khobbs84@unm.edu **Office:** A-132A **Phone:** 925-8876

**Office hours:** M 10:30-12:00; T 10:30-12:00; W 1:00-2:45

**Class time and location:** Mondays 12:45-2:45 P.M. in VAHS 108

**Textbook:** none; required readings will be posted as PDFs in the class UNMLearn website

**Supplies needed:** Notebook or binder with lined paper, pencils; some students prefer different colors of pens/pencils for note-taking and diagrams; magnifying glass/hand lens; clear plastic ruler

### Schedule

<u>DATE</u>	<u>SUBJECT</u>	<u>READING</u>
Jan. 22	Observations; density	none
Jan. 29	Silicate minerals	Chapter 2
Feb. 5	Non-silicate minerals	Chapter 2
Feb. 12	Igneous rocks	Chapter 3
Feb. 19	Metamorphic rocks	Chapter 5
Feb. 26	Sedimentary rocks	Chapter 4
Mar. 5	Dating; Geologic history	Chapter 6
Mar. 12	Topographic maps	Chapter 7
Mar. 19	NO LAB – UNM SPRING BREAK	
Mar. 26	Geologic maps	Chapter 8
Apr. 2	Valencia County geology	Online resources
Apr. 9	Groundwater introduction	Chapter 10
Apr. 16	New Mexico groundwater contamination	Online resources
Apr. 23	Earthquakes and seismicity	Chapter 12
Apr. 30	Plate boundaries and tectonics	Chapter 1
May 3	No lab – Finals week	Chapter 11

A note on the schedule: dates are subject to change. All changes will be posted on the class website ASAP.

### Reading:

Successful students will read lab materials BEFORE the lab and formulate questions to address in the lab period. This will allow you not only to comprehend lab materials in a more complete manner, but also to complete the lab more efficiently. It only takes a few minutes to pre-read the materials!

### Attendance:

Attendance is *necessary* for successful completion of the class. If you miss 2 of the first 3 classes of the semester, you will be dropped from the class. Beyond this time I will not drop you unless *you* request it.

### Grading:

Your final lab grade will be based on the grades you earn for each lab (100 points each), some of which will include short lab write-ups to be turned in the following week. Five online and/or in-lab quizzes will count for 40 points each. At the end of the semester, your lowest lab score will be dropped.

In an effort to meet obligations under Title IX, UNM faculty, Teaching Assistants, and Graduate Assistants are considered “responsible employees” by the Department of Education (see pg 15 - <http://www2.ed.gov/about/offices/list/ocr/docs/qa-201404-title-ix.pdf>). This designation requires that any report of gender discrimination which includes sexual harassment, sexual misconduct and sexual violence made to a faculty member, TA, or GA must be reported to the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu). For more information on the campus policy regarding sexual misconduct, see: <https://policy.unm.edu/university-policies/2000/2740.html>