

## EPS 105L-501 Fall 2018 - Physical Geology Laboratory

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

**Office hours:** M&W 8:00-9:00; M 1:30-4:30; T 9:00-10:30 & 3:00-4:30

**Class time and location:** Tuesdays 10:30-12:30 in VAHS 108

**Textbook:** None

**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>
Aug. 21	Introduction to unit conversions and “The math you need”
Aug. 28	Observations; density
Sep. 4	No class
Sep. 11	Silicate minerals
Sep. 18	Non-silicate minerals
Sep. 25	Igneous rocks
Oct. 2	Metamorphic rocks
Oct. 9	Sedimentary rocks
Oct. 16	Dating; Geologic history
Oct. 23	Topographic maps
Oct. 30	Geologic maps
Nov. 6	Valencia County geology
Nov. 13	Groundwater introduction
Nov. 20	New Mexico groundwater contamination
Nov. 27	Earthquakes and seismicity
Dec. 4	Plate boundaries and tectonics

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. 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>