

EPS 105L-501 Fall 2017 - Physical Geology Laboratory

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Office hours: Tuesday & Thursday 9:00-10:15; Tuesday 3:00-5:00; Wednesday 1:30-5:00

Class time and location: Mondays 9-11 in VAHS 108

Textbook: UNM Valencia Laboratory Manual in Physical Geology (available from bookstore)

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

DATE	SUBJECT	READING
Aug. 21	2017 Solar Eclipse	none
Aug. 28	Observations; density	none
Sep. 4	No class – Labor Day	
Sep. 11	Silicate minerals	Chapter 2
Sep. 18	Non-silicate minerals	Chapter 2
Sep. 25	Igneous rocks	Chapter 3
Oct. 2	Metamorphic rocks	Chapter 5
Oct. 9	Sedimentary rocks	Chapter 4
Oct. 16	Dating; Geologic history	Chapter 6
Oct. 23	Topographic maps	Chapter 7
Oct. 30	Geologic maps	Chapter 8
Nov. 6	Valencia County geology	Online resources
Nov. 13	Groundwater introduction	Chapter 10
Nov. 20	New Mexico groundwater contamination	Online resources
Nov. 27	Earthquakes and seismicity	Chapter 12
Dec. 4	Plate boundaries and tectonics	Chapter 1
Dec. 11	Glaciers	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. 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>