

GEOLOGY 1110L LAB
Physical Geology: Laboratory Sessions
Spring 2024

Instructor: Chuck Schick

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Office hours: Health Sciences Rm 111 Monday 3:30-4:30 pm and Thursday 2-3 PM or by request. (When you need a meeting, we will find a way to meet.)

Classroom: 4:45 to 6:30 pm Tuesday (61341) and Thursday 1:30-3:15pm (#59205)

Textbook Manual in Physical Geology 12th Ed. GET THE MANUAL. It's worth it!

Supplies: calculator, colored pencils, ruler, and a BIG eraser. SERIOUSLY!

Date	Topic	Pre Lab Reading
Jan 15	Introduction and Observation: How do we ID minerals? Hardness, streak, form, fracture and cleavage	See MS Teams Site each week before the lab
Jan 22	Mineral Identification (basic rx forming minerals)	
Jan 29	Mineral Identification (basic rx forming minerals)	
Feb 4	Igneous Rocks(basic rx forming minerals)	
Feb 11	Metamorphic Rock	
Feb 18	Sedimentary Rock	
Feb 25	Rock dating, superposition, Geologic Events	
Mar 4	Lab Exam 1 (practical mineral and Rx ID)	
Mar 11	Break ENJOY!	
Mar 18	Maps, Scales, topography and symbols Soil sampling and collection	
Mar 25	Geologic cross section	
Apr 1	Geologic structures (faults, folds, etc.)	
Apr 8	Groundwater	

Apr 15	Geomorphology	
Apr 22	Soil grain size analysis	
Apr 29	Lab close out.	

Course Goals:

- 1) *To introduce the principles and process of science using the study of earth science as an aide*
- 2) *To present Earth system processes and products and the methods by which they are studied*
- 3) *To give each student a better appreciation of the world around them, and how it affects their lives and the lives of others*

Reading:

Reviewing the lab before class is very helpful. In most cases this will allow you to **finish the lab earlier** and ultimately provide you with a much better understanding of the course material. **IT ONLY TAKES A FEW MINUTES.**

Attendance & Drop Policy:

Due to the hands-on nature of this class, regular attendance is *necessary* for successful completion. Therefore, I strongly encourage you to make the effort to be present.

Grading:

Your final grade will be based on grades you earn from laboratory write-ups. And participation. Also, a final mineral and rock identification examination.

Laboratory Write-Ups:

Write-ups for each laboratory session must be completed and handed in before the next lab.

COVID 19 ISSUES:

NONE. But please, if you are truly sick and contagious with anything, don't come to class and pass it on to your classmates (and instructor 😊). Be respectful of your fellow classmates.

Title IX:

[Note: UNM encourages all faculty and TAs to include a Title IX statement on the syllabus and reminds all faculty, TAs, and GAs that per university policy APPM 2740 they are mandatory reporters to the Title IX Coordinator at the Office of Equal Opportunity of reports of gender discrimination, including sexual harassment, sexual misconduct and sexual violence. Information about how to have a conversation with a student about reporting and what steps to take is available on the [Title IX Coordinator page](#). Faculty may be interested in informational resources developed by a group of UNM faculty, Faculty SAFE.]

Accommodations: UNM is committed to providing equitable access to learning opportunities for

students with documented disabilities. As your instructor, it is my objective to facilitate an inclusive classroom setting, in which students have full access and opportunity to participate. To engage in a confidential conversation about the process for requesting reasonable accommodations for this class and/or program, please contact Accessibility Resource Center at arcsrvs@unm.edu or by phone at 505-277-3506.

On the UNM Valencia Campus, the coordinator for accommodations is located in the guidance center. After you see them, they will confidentially, let me know what accommodations you will require.

KEEP A COPY OF THE SYLLABUS:

It is a great way to look ahead and see what's going to be discussed. And the best way to read before class and be prepared for any pop quizzes.

NOTE: This schedule is an outline of what is anticipated to be covered this semester. The dates and topics are subject to change if needed. Changes will be related to you ASAP in class.

Tutoring Services

Not sure if you'll need this for our class but the university has asked me to include it. Here is a link to the tutor service on campus if you feel you need more help. The second link is for making an appointment

<https://valencia.unm.edu/campus-resources/the-learning-center/learning-center.html>

<https://esurvey.unm.edu/opinio/s?s=131505>