

**SYLLABUS
GEOLOGY 1110
SPRING 2025**

Instructor: Chuck Schick, PG

Email: cschick@unm.edu

Office Hours: Health Sciences Rm 111 Monday 3:30 to 4:30PM and Tuesday 1:30 to 2:30 PM or by request. (When you need a meeting, we will find a way to meet)

Class Times: Tuesday and Thursday 12:00PM to 1:15PM

SCHEDULE

WEEK	Week of	TOPICS
1	Jan 20	Introduction to the class. Scientific Method Laws, Theory's, and models. Know the difference. What is Geology? Why Study it? Importance? Plate tectonics a unifying theory for geology
2	Jan 28	What is a mineral? X-stal structures, and silicate structures. Igneous Rocks Magma Differentiation and the Reaction Series.
3	Feb 3	More about plate tectonics and the earth's basic composition and origin.
4	Feb 10	Basic Rx types Rocks and Geologic Records/stratigraphy. Rx correlation
5	Feb 17	Igneous Rocks Lottery for research project topics and POSTER SESSION
6	Feb 24	Metamorphic Rocks and Deformation, Pressure and Temperature. Test #1 Review
7	Mar 3	TEST #1 Metamorphic Rocks (Continued) and how they change mineral assemblages. Weathering Processes and Erosion processes.
8	Mar 10	Sediment deposition and sedimentary rocks Sorting by fluvial and aeolian processes
9	Mar 17	SPRING BREAK!!!! ENJOY
10	Mar 24	Superposition! Reconstructing the past. Faults, folds, and unconformities. Measuring the attitude of Rx formations Outline and references for Research Project Due
11	Mar 31	Significant events in Geologic Time Test #2 Review
12	Apr 7	Mass Wasting, Hydrology and Groundwater TEST #2
13	Apr 14	Hydrogeology and Groundwater (continued)
14	Apr 21	Glacial Geology and Landscape Formation (Geomorphology)
15	Apr 28	Geologic Disasters, Earthquakes, seismology Test #3 Review, Turn in your Poster and Summary Thanksgiving (NO CLASS THURSDAY)
16	May 5	TEST #3 Poster Session Presentations Final Exam Review
		FINAL EXAM !!! Tuesday May 13, 12:00 PM

Course Textbook: Earth Portrait of a Planet 7th Edition (or any previous edition if you can find them for less money) by Stephen Marshak

Course Goals:

- 1) *To introduce the principles and process of science using the study of earth science*
- 2) *To give each student a better appreciation of the world around them, and how it affects their lives and the lives of others*

Make-up Tests: No Make-up Exams. See Grading Policy below.

Grading Policy:

There are Three (3) Tests and a FINAL Examination for a grand total of four (4). These tests count for 60% of your grade. The Research Project Poster session will count for 25%. Participation and Reading quizzes will constitute the remaining 15%. Quizzes are unscheduled and I will increase their frequency if I sense the class is not reading ahead of class. You may drop the lowest test score (Best 3 out of 4 Exams). Poor attendance could RESULT IN YOU BEING DROPPED from the class.

RESEARCH PROJECT (POSTER SESSION and Presentation)

During this class we will be covering several topics but not all. The research project permits you to explore a subject that interests you in greater detail. Since this semester's class is larger than previous years, you will write a paper (approximately 6 to 8 pages including a reference page) and prepare a poster for viewing by the class. Be creative. This is a chance to incorporate other skills you have into your project. You will turn in a 1-page summary of your topic (with an outline) and **WITH REFERNCES** for your paper on the date specified in the syllabus. Turn the final product in ON TIME. Otherwise, late penalties will occur. **WIKAPEDIA, ENCARTA or any online encyclopedia) is not considered a REFERENCE.**

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 the 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 accommodations coordinator is in the guidance center. After you see them, they will confidentially let me know what accommodation you will require.

KEEP A COPY OF THE SYLLABUS:

It is a wonderful way to look ahead and see what is going to be discussed. And the best way is 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 will 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>