

# SYLLABUS GEOLOGY 1110 SPRING 2024

**Instructor:** Chuck Schick, PG

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

**Class Times:** Tuesday and Thursday 2:00PM to 3:15PM

## SCHEDULE

WEEK	Week of	TOPICS
1	Aug 19	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	Aug 26	What is a mineral? Different x-stals? And silicate structures. Igneous Rocks Magma Differentiation and the Reaction Series.
3	Sept 2	More about plate tectonics and the earth's basic composition and origin.
4	Sept 9	Basic Rx types Rocks and the Geologic Records/stratigraphy. Rx correlation
5	Sept 16	Igneous Rocks Lottery for research project topics and POSTER SESSION
6	Sept 23	Metamorphic Rocks and Deformation, Pressure and Temperature. <b>Test #1 Review</b>
7	Sept 30	<b>TEST #1</b> Metamorphic Rocks (Continued) and how it changes mineral assemblages. Weathering Processes and Erosion processes.
8	Oct 7	Sediment deposition and sedimentary rocks Sorting by fluvial and aeolian processes Fall Break Thursday
9	Oct 14	Continued: Sediment deposition and sedimentary rocks Sorting by fluvial and aeolian processes
10	Oct 21	Superposition! Reconstructing the past. Faults, folds, and unconformities. Measuring the attitude of Rx formations Outline and references for Research Project Due
11	Oct 28	Significant events in Geologic Time <b>Test #2 Review</b>
12	Nov 4	Mass Wasting, Hydrology and Groundwater <b>TEST #2</b>
13	Nov 11	Hydrogeology and Groundwater (continued)
14	Nov 18	Glacial Geology and Landscape Formation (Geomorphology)
15	Nov 25	Geologic Disasters, Earthquakes, seismology <b>Test #3 Review, Turn in your Poster and Summary</b> <b>Thanksgiving (NO CLASS THURSDAY)</b>
16	Dec 2	<b>TEST #3</b> <b>Poster Session Presentations</b> Final Exam Review
		<b>FINAL EXAM !!! Thursday Dec 12 1:30PM to 3:30PM</b>

**Course Textbook:** Earth Portrait of a Planet 7<sup>th</sup> Edition (or previous editions 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 10 pages including a reference page) and prepare a poster for viewing by the class. Be creative. This is a chance to incorporate other skills into your project. You will turn in a 1-page summary of your topic (with an outline) and **WITH REFERENCES** for your paper on the date specified in the syllabus. Turn the final product in ON TIME. Late penalties will occur. **WIKAPEDIA, ENCARTA or any online encyclopedia is not considered a REFERENCE.**

**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 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](mailto: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>