

**SYLLABUS
GEOLOGY 1110
SPRING 2023**

Instructor: Chuck Schick, PG

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Office Hours: Health Sciences Rm 108 Monday 3:30-4:30 pm Tues 2-3pm and Thursday 2-3PM or by request. When you need a meeting, we will find a way to meet

Class Times: Tuesday and Thursday 3:00 pm to 4:30 pm

SCHEDULE

WEEK	Week of	TOPICS
1	Jan 16	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 23	What is a mineral? Different x-stals? And silicate structures. Igneous Rocks Magma Differentiation and the Reaction Series.
3	Jan 30	More about plate tectonics and the earth's basic composition and origin.
4	Feb 6	Basic Rx types Rocks and the Geologic Records
5	Feb 13	Igneous Rocks Lottery for research project topics
6	Feb 20	Metamorphic Rocks and Deformation, Pressure and Temperature. Test #1 Review
7	Feb 27	TEST #1 Metamorphic Rocks (Continued) Weathering Processes and Erosion processes
8	Mar 6	Sediment deposition and sedimentary rocks Sorting by fluvial and aeolian processes
9	Mar 13	SPRING BREAK!!
10	Mar 20	Superposition! Reconstructing the past. Faults, folds, and unconformities. Measuring the attitude of Rx formations Outline and references for Research Project Due
11	Mar 27	Significant events in Geologic Time Test #2 Review
12	Apr 3	Mass Wasting, Hydrology and Groundwater TEST #2
13	Apr 10	Hydrogeology and Groundwater (continued)
14	Apr 17	Glacial Geology and Landscape Formation (Geomorphology)
15	Apr 24	Geologic Disasters, Earthquakes, seismology Test #3 Review
16	May 1	TEST #3 Present special Research Projects in class (poster session) Final Exam Review
		FINAL EXAM !!! May 11th 3pm to 5pm per university schedule

Course Textbook: Earth Portrait of a Planet 7th Edition 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 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 (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:

COVID-19 Health and Awareness. UNM is a mask friendly, but not a mask required, community. To be registered or employed at UNM, Students, faculty, and staff must all meet UNM's [Administrative Mandate on Required COVID-19 vaccination](#). If you are experiencing COVID-19 symptoms, please do not come to class. If you have a positive COVID-19 test, please stay home for five days, and isolate yourself from others, per the [Centers for Disease Control \(CDC\) guidelines](#). If you do need to stay home, please communicate with me at cschick@unm.edu So, I can work with you to keep up with the class (if possible). UNM faculty and staff know that these are challenging times. Please tell us you need support so we can connect you to the right resources and be aware that UNM will publish information on websites and email about any changes to our public health status and community response.

Support:

[Student Health and Counseling](#) (SHAC) at (505) 277-3136. If you are having active respiratory symptoms (e.g., fever, cough, sore throat, etc.) AND need testing for COVID-19; OR if you recently tested positive and may need oral treatment, call SHAC.

[LoboRESPECT Advocacy Center](#) (505) 277-2911 can offer help with contacting faculty and managing challenges that impact your UNM experience.

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>