

**SYLLABUS
GEOLOGY 1110
Fall 2022**

Instructor: Chuck Schick

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Office Hours: Mon. & Wed. 3 to 4 pm Rm 111 Health Sciences

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

SCHEDULE

WEEK	Week of	TOPICS
1	Aug 22	Introduction to the class. Scientific Method Laws, Theory's and models. Know the difference. What is Geology? Why Study it? Importance?
2	Aug29	Earthquakes and Plate tectonic forces.
3	Sept 5	Earths Basic Composition. What is a mineral? x-stals? And silicate structures Igneous Rocks Magma Differentiation and the Reaction Series.
4	Sept 12	Basic Rx types Rocks and the Geologic Records
5	Sept 19	Igneous Rocks Lottery for research project topics
6	Sept 26	Metamorphic Rocks and Deformation, Pressure and Temperature. Test #1 Review
7	Oct 3	TEST #1 Metamorphic Rocks Continued
8	Oct 10	Weathering Processes and Erosion
9	Oct 17	Sediments and Sedimentary Processes
10	Oct 24	Metamorphic Rocks (continued), Rock Cycle (or recycle). Outline and references for Research Project Due
11	Oct 31	Significant events in Geologic Time and Geologic Time Test #2 Review
12	Nov 7	Mass Wasting, Hydrology and Groundwater, Erosion processes TEST #2
13	Nov 14	Hydrogeology and Groundwater
14	Nov 21	Glacial Geology and Landscape Formation (Geomorphology)
15	Nov 28	Geologic Disasters, Earthquakes, seismology Test #3 Review
16	Dec 5	TEST #3 Present special Research Projects Final Exam Review
		FINAL EXAM !!! (we follow the posted UNM Valencia schedule for the exam).

Course Textbook: HOW DOES THE EARTH WORK? (Physical Geology and the Processes of Science) 2nd edition by Smith and Pun

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 most likely 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 purpose of the paper is to permit you to explore a subject that interests you in greater detail. You will write a paper (10 to 12 pages double-spaced) or create a presentation (such as Power Point, multi-media, video etc.) containing audio text and visual content. 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 REFERNCE.**

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. I can work with you to provide alternatives for course participation and completion. UNM faculty and staff know that these are challenging times. Please let us know that you need support so that we can connect you to the right resources and please 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 opportunity to participate. To engage in a confidential conversation about the process for requesting reasonable accommodations for this class and/or program,