

**SYLLABUS
ENVIRONMENTAL SCIENCE 1130 L
LAB
Spring 2020**

Instructor: Chuck Schick
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Office Hours: After class on Wednesday
Course Textbook: No text. A copy of the weekly Lab will be online in Blackboard learn.

CLASS SCHEDULE

Week No.	Date	TOPICS
1	Jan 20	No Class, Holiday
2	Jan 27	Lab introduction. What is expected. Rules of the road. Getting started with Observation Lab and data plotting
3	Feb3	Observation Lab and data plotting/analysis
4	Feb10	CO ₂ Lab Plotting and interpreting data using techniques from Lab 1
5	Feb 17	Topographic Maps Part 1
6	Feb 24	Identifying Minerals and Rock types
7	Mar 2	Soil sampling lab part 1 (Sample collection)
8	Mar 9	Soil Lab part 2 (soil/grain size analysis)
9	Mar 16	Spring Break (NO CLASS)
10	Mar 23	Glacial Geology
11	Mar 30	Hydrogeology: measuring changes in water levels and how they affect the water table in an actual well
12	Apr 6	Rock Cycle, Rock Types and Geologic Settings

13	Apr 13	Sediments and Stream Beds, Erosion and deposition
14	Apr 20	Geologic Time Scale
15	Apr 27	Soil lab Part 3 (chemical analysis of soil for select cations and anions)
16	May 4	Class Wrap up

Make-up LABs: No Make-up Labs. In most cases, these labs are done collaboratively and require advanced preparation of materials and equipment only available in the lab room. There is no time for the instructor/staff to prepare FRESH new materials and supervise a make-up activity in the classroom. See Grading Policy below.

Grading Policy: Points are assigned to each lab. I expect the lab to be turned in before the start of the next lab class (unless I provide more time for further investigation). Late labs will be docked 10% per week. No makeup labs. Materials and equipment make that impossible. Also, I'm not here in the daytime to let you in and supervise you so make it to lab!

Attendance: The school policy will be followed. Therefore, not showing up for class could result in the "system" dropping you from the class. You should attend class regularly and get your notes. I don't give out notes. Part of your education is to process lecture material and put it into your own notes. If you are not going to attend class, please let me know **BEFORE CLASS. Lack of attendance will most likely reflect poorly on your final grade.**

Plagiarism/Cheating:

Collaboration with your class during labs is essential for completing the assignments. However, all submitted work must be your own. In addition, if you copy information from textbooks, newspapers, the internet or other media sources you must cite them as your source of information. Blatant copying (plagiarism) will result in a score of zero for all students involved. A second offense will result in you receiving an F for this course. I would like to draw your attention to: The University of New Mexico's policy on "Dishonesty in Academic Matters": *"Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, including dismissal, against any student who is found responsible for academic dishonesty. Academic responsibility includes, but is not limited to, dishonesty in quizzes, tests or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; and misrepresenting academic or professional qualifications within or outside the University".*

Access:

If you have a documented learning disability, please provide a copy of your letter from **Equal Access Services** as soon as possible to ensure that your accommodations are provided for in a timely manner.

Electronic Devices:

To the benefit of you, your classmates and the learning environment **please turn off** electronic devices such as cell phones before class begins. If you wish to use a **laptop or tablet** for note-taking **please press mute** to eliminate distracting noises. Your cooperation in these matters is appreciated by all.

Title IX: See <http://www2.ed.gov/about/offices/list/ocr/docs/> for information regarding these rules for a safe classroom for both students and teachers. Also, the Office of Equal Opportunity (oce.unm.edu) provides more information regarding these matters.

SLO (Student Learning Objectives)

- Students will be able to construct and test a hypothesis using spatial and quantitative data
- Students will be able to collect and record measurements and use them to draw a conclusion or identify other variables and measurements required to make more definitive conclusions
- Students will be able to construct and interpret graphical data to make data driven conclusions.

KEEP A COPY OF THE SYLLABUS

It is a great way to look ahead and see what's going to be discussed. Also check blackboard learn and bring a copy of the lab to each class. **You are responsible for printing your lab materials. Other paper for graphs, etc. will be supplied. There is no textbook so, printing the lab is the equivalent of that expense.**

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.