

**SYLLABUS
ENVIRONMENTAL SCIENCE 1130 L
LAB
FALL 2021**

Instructor: Chuck Schick
Phone: (Phone the academic office. But this is NOT the best way to reach me.)
Email: cschick@unm.edu BEST WAY to contact me
Office Hours: Wednesday: email me and we'll set up a zoom or MS Teams meeting
Course Textbook: No text. A copy of the weekly Lab will be online in MS Teams.

CLASS SCHEDULE

Week No.	Date	TOPICS
1	Aug 23	Lab introduction. What is expected. Rules of the road. Getting started with Observation Lab
2	Aug 30	Solar intensity, temperature and humidity
3	Sep 6	Data collection, plotting and predicting (basic modeling)
4	Sep 13	CO ₂ O ₂ and other gases.
5	Sep 20	Soil sampling lab part 1 (Sample collection) Hydrogeology: measuring changes in water levels and how they affect the water table in an actual well.
6	Sep 27	Soil sampling lab part 1 (Sample collection)
7	Oct 4	Hydrogeology: measuring changes in water levels and how they affect the water table in an actual well.
8	Oct 11	Evaluating groundwater flow, recharge and potential source of contamination in a typical Valencia county setting.
9	Oct 18	Topographic Maps
10	Oct 25	Basic Minerals
11	Nov 1	Soil Lab part 2 (soil/grain size analysis)

12	Nov 8	Hydrogeology: measuring changes in water levels and how they affect the water table in an actual well.
13	Nov 15	Basic Rock types
14	Nov 22	Soil lab Part 3 (chemical analysis of soil for select cations and anions)
15	Nov 29	Household hazardous waste survey and MSDS
16	Dec 6	Wrap up lab (short review)

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".

COVID 19 ISSUES:

Wear a mask to Class. **NO MASK, NO CLASS.** Check the UNM website for the latest news and information regarding this issue. If you are sick, stay home. Really sick. Please don't abuse the COVID issue and stay home on Monday. Monday's class is crucial to your success. There will probably be changes to our schedules operating conditions. We will adjust, adapt and overcome.

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 exercise and develop communication skills in public speaking, technical writing and research documentation.
- Students will relate current environmental issues to their personal, economic and cultural circumstances.
- 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.

Tutoring Services

Not sure if you'll 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>