

**SYLLABUS
ENVIRONMENTAL SCIENCE 1130
Fall 2020**

Instructor: Chuck Schick
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Email: cschick@unm.edu Best way to reach me.
Office Hours: Send me an email and we'll schedule a zoom or MS Teams to do it. Wednesday's are preferred.
Course Textbook: The Blue Planet (3rd Edition). Or any edition you can economically purchase.

APPROXIMATE CLASS SCHEDULE

Week No.	Date	TOPICS	READING Pages (3 rd Ed)
1	Aug 17	Laws, theories and models, Science versus Advocacy (the fine print) Thermodynamic laws, energy types, energy flow and life	Chapter 1
2	Aug 24	Observations, Scientific Method, Earth Systems. Solar Systems, Seasons,	Chapter 2
3	Aug 31	Atmosphere, atmospheric energy, wind currents, the source of our meteorology	Ch 10 & 11
4	Sept 7	MONDAY LABOR DAY. NO CLASS The sun is the driver, the tilt is the control: Ocean currents and the relationship to water in the atmosphere	
5	Sept 14	Air Masses, hydrologic cycle, Meteorology vs climatology Test #1 Review	12 & 14
6	Sept 21	Test #1 (Monday Class) Water use and consumption Groundwater, aquifers and groundwater contamination	CH 8
7	Sept 28	Oceans and Ocean chemistry, density, temperature and other trends.	Already did it
8	Oct 5	Glaciers. Glacial Ages, cycles. Glacial Project. Use your plotting and measurement skills to estimate how long before a glacier is no more. (special project, counts as much as a test).	CH 9
9	Oct 12	Earth Systems, Core and layers, Magneto, Basic Rock types Assign a Student research project to each of you. We will talk about in class. (Traditionally we had break this week 😞).	CH 5 and 6
10	Oct 19	Plate Tectonics, the unifying theory of geology Why everything: volcanism, earthquakes, metamorphism and changes through history make sense because of this theory. Test #2 Review Monday	Ch 6
11	Oct 26	Test #2 (Monday class). Rock cycle Weathering of Rock and development of soil. More dirt on dirt than you ever wanted to know!	Ch 7

12	Nov 2	Soil chemistry and biochemical cycling. Catch up	Hand outs
13	Nov 9	History of Environmental Laws. From the Lacy Act to RCRA and CERCLA.	Hand outs
14	Nov 16	Populations, s-curve and j-curve population trends, Review Test #3	Ch16
15	Nov 23	Test #3 Monday class Present you special Projects	None
16	Nov 30	Complete presenting special projects Wednesday: Class wrap-up, Final Exam review (Per the University Schedule)	None

Make-up Tests: No Make-up Exams. See Grading Policy below.

Grading Policy: Tests will be approximately 60% of the Grade. Best 3 out of 4 Exams (Including the Final). Unannounced quiz (periodically depending upon class participation) will count for 15%. Special project approximately 25%. All percentages are approximate.

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.**

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.

Plagiarism/Cheating:

I encourage you to talk with one another about assignments before, and while, you do them, but 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 learn to critically analyze cause-and -effect relationships in the environment.
- Students will integrate and synthesize knowledge and draw appropriate conclusions based on the scientific method.

KEEP A COPY OF THE SYLLABUS

It is a great way to look ahead and see what's going to be discussed. And the best way 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.