

**SYLLABUS
ENVIRONMENTAL SCIENCE 101 “BLUE PLANET”
Spring 2019**

Instructor: Chuck Schick
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Email: cschick@unm.edu BEST WAY Reach me. I'll see it and get back with you.
Office Hours: Before Class, after class, or by appointment.
Course Textbook: The Blue Planet (3rd Edition).

APPROXIMATE CLASS SCHEDULE

Week No.	Date	TOPICS	READING Pages
1	Jan 14	Laws, theories and models, Science versus Advocacy (the fine print) Thermodynamic laws, energy types, energy flow and life	5-26, 26-46
2	Jan 21	Observations, Scientific Method, Earth Systems. Solar Systems, Seasons,	81-92
3	Jan 28	Atmosphere, atmospheric energy, currents,	322-333 335-374
4	Feb 4	Ocean currents. Water in the atmosphere	295-343
5	Feb 11	Air Masses, hydrologic cycle, Test #1 Review	355-364 222-250
6	Feb 18	Test #1 (Monday Class) Water use and consumption	TBA
7	Feb 25	Glaciers. Glacial Ages, cycles.	257-279
8	Mar 4	Special Glacial Project Oceans and Ocean chemistry, density, temperature, etc	288-314
9	Mar 11	SPRING BREAK!!!!!!!!!!	Nothing.
10	Mar 18	Earth Systems, Core and layers, Magneto, Rock types,	109-132 143-179 185-200
11	Mar 25	Test #2 Review Monday Test #2 (Wednesday).	Review your readings.
12	Apr 1	Rock cycle, Tectonics, the unifying theory of geology Why everything: volcanism, earthquakes, metamorphism and changes through history make sense.	All of Chapter 2 And 5.

13	Apr 8	Weathering of Rock and development of soil Soil Profiles Soil chemistry and biochemical cycling	Chapter 7
14	Apr 15	Biomes Species Populations, s-curve and j-curve population trends,	488-502
15	Apr 22	Distribution of species Natural Selection and genetic diversity Test review	431-445
16	Apr 29	Test #3 Monday class Wednesday: 2Class wrap-up, Final Exam review (Per the University Schedule)	

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

Grading Policy: Tests will be approximately 75% of the Grade. Best 3 out of 4 Exams (Including the Final). Unannounced quiz (periodically depending upon class participation) will count for 10%. Special project approximately 15%. All percentages are approximate.

Attendance: The schools 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:

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)

- By evaluating data, the student will be able to define a problem, propose a hypothesis and a manner to test it.
- The student will be able to recognize and define the various global systems and how they relate to each other.
- The student will be able to describe the necessary constituents of an ecosystem and how they interact.
- The student will become familiar with the anthropogenic influences on all the planets systems.

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.