

**SYLLABUS  
ENVIRONMENTAL GEOLOGY 1120  
Formerly the Blue Planet  
FALL 2019**

**Instructor:** Chuck Schick  
**Phone:** (Phone the academic office. Leave message)  
**Email:** [cschick@unm.edu](mailto:cschick@unm.edu) BEST WAY Reach me. I'll see it and get back with you. Don't leave messages on Learn.  
**Office Hours:** WEDNESDAY immediately after Class in the classroom. (or by appointment)  
**Course Textbook:** The Blue Planet (3<sup>rd</sup> Edition).

**APPROXIMATE CLASS SCHEDULE**

Week No.	Date	TOPICS	READING Pages
1	Aug 19	Laws, theories and models, Science versus Advocacy (the fine print) Thermodynamic laws, energy types, energy flow and life	5-26, 26-46
2	Aug 26	Observations, Scientific Method, Earth Systems. Solar Systems, Seasons,	81-92
3	Sep 2	Atmosphere, atmospheric energy, currents,	322-333 335-374
4	Sep 9	Ocean currents. Water in the atmosphere	295-343
5	Sep 16	Air Masses, hydrologic cycle, <b>Test #1 Review</b>	355-364 222-250
6	Sep 23	<b>Test #1 (Monday Class)</b> Water use and consumption, Hydrogeology	TBA
7	Sep 30	Hydrogeology Glaciers. Glacial Ages, cycles.	257-279
8	Oct 7	Special Glacial Project <b>FALL BREAK!!!!!!!!!!</b>	288-314
9	Oct 14	Oceans and Ocean chemistry, density, temperature, etc.	
10	Oct 21	Earth Systems, Core and layers, Magneto, Rock types,	109-132 143-179 185-200
11	Oct 28	Test #2 Review Monday <b>Test #2 (Wednesday).</b>	Review your readings.
12	Nov 4	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	Nov 11	Weathering of Rock and development of soil Soil Profiles. Soil chemistry and biochemical cycling.	Chapter 7
14	Nov 18	Biomes Species Populations, s-curve and j-curve population trends.	488-502
15	Nov 25	Distribution of species Natural Selection and genetic diversity Test review	431-445
16	Dec 2	<b>Test #3 Monday class</b> 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](http://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 planet's 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. Also, I will use blackboard learn to communicate materials and/or changes for class.