

Geology 1212 – Principles of Earth Science II (2 credits) – CRN 23607

Spring 2021

Lecture: Online Asynchronous
Laboratory: Online Asynchronous [CRN 23606]

Instructor:

Prof. Nicholas E. Pingitore
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Office Hours:

M 10:30-11:20; 12:30-1:20
or, any time you can find me in Rooms 206/205
or, call or e-mail me about the problem

Texts:

Textbook is same as that used in Geo. 1211. It is not required for this course. Follow along in it if you need more material than what is in the lectures. *Earth Science and the Environment*, Thompson and Turk. You will need the lab manual, see next item.

Geology 1312 Laboratory Manual - Earth Science 2 (Posted on Internet)
Available at <http://studylib.net/doc/18515691/laboratory-manual---utep---geological-sciences>

Course Synopsis:

Study of the earth as a planet. Includes an introduction to historical geology, astronomy, physiography, and oceanography.

Laboratories:

You **MUST, MUST, MUST** be enrolled in a laboratory!
Make sure it is a Geology 1112 laboratory!

Grades:

Lecture examinations account for course grade. Laboratory is a separate grade on your transcript.

Goals:

This course is intended to increase your understanding of the materials of the earth, the oceans, and our neighborhood in space; the processes that change the earth over time; and the role of the earth in our economy.

The fine print:

Please inform me as soon as possible about any classes which you anticipate you will be unable to attend.

If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass. See also <http://ddce.utexas.edu/disability/>.

The use of any electronic or other recording device in class is not allowed without the written permission of the instructor. Student ethical and overall behavior during this course is expected to conform to current standards for students at UTEP, as outlined in the Undergraduate Catalog. Full details are found in the *Handbook of Operating Principles*, available in the Office of the Dean of Students and on the Dean's homepage.

All grades of Incomplete must be accompanied by an Incomplete Contract that has been signed by the instructor of record, student, departmental chair, and the dean. Although UTEP will allow a maximum of one year to complete this contract, the College of Science requests it be limited to one month based upon completion data. A grade of Incomplete is only used in extraordinary circumstances confined to a limited event such as a missed exam, project, or lab. If the student has missed a significant amount of work (e.g. multiple assignments or tasks), a grade of Incomplete is not appropriate or warranted.

[Note that some of this does not apply since we will be online, not face-to-face]

TENTATIVE COURSE SCHEDULE

Geology 1212 - Spring 2021

WEEK TOPIC

January

- 1 M 1-18 Course organization
- 2 M 1-25 Review basic science & geology

February

- 3 M 2-1 Elements, minerals, and rocks
- 4 M 2-8 Weathering and erosion
- 5 M 2-15 Weathering and erosion (continued)
- 6 M 2-22 EXAM # 1**

March

- 7 M 3-1 Sedimentary rocks
- 8 M 3-8 Surface water
- 9 M 3-15 Spring Break – No Class**
- 10 M 3-22 Ground water
- 11 M 3-29 Fossils

April

- 12 M 4-5 EXAM # 2**
- 13 M 4-12 Oceanography, currents, and waves
- 14 M 4-19 Beaches and tides
- 15 M 4-26 History of astronomy; solar system

May

- 16 M 5-3 EXAM # 3**

I might add or remove topics as the semester goes along, so this is a rough outline of the sequence of topics that we likely will cover.