

Department Syllabus
GEOL 1301
Earth Sciences for Non-Science Majors I - Lecture
Western Texas College

I. Basic Course Information:

- A. Course Description: Survey of geology, meteorology, oceanography, and astronomy.
- B. Recommended Co-requisite: GEOL 1101 Earth Science for Non-Majors I (lab). Students must be able to read and comprehend on the college level.
- C. Online course content is administered through the college's learning management system (LMS), D2L or Bright Space. Type in learn.wtc.edu to access this system

II. Student Learning Outcomes (SLO)

- A. Explain the current theories concerning the origin of the Universe and of the Solar System.
- B. Explain the place of Earth in the Solar system and its relationships with other objects in the Solar system.
- C. Relate the origin and evolution of Earth's internal structures to its resulting geologic systems, including Earth materials and plate tectonic activities.
- D. Explain the operation of Earth's geologic systems and the interactions among the atmosphere, the geosphere and the hydrosphere including meteorology and oceanography.
- E. Explain the history of the Earth including the evolution of Earth systems and life forms.

III. Testing Requirements

- A. The comprehensive midterm and final exams must be proctored by an approved testing organization. (Ask your instructor for details.)
- B. Students are NOT allowed to use their book while taking proctored exams. Students will be allowed one sheet of notebook paper with notes to be used on the exam only. Students are NOT allowed to use cell phones or access the Internet during the exams.
- C. Students may use their book on all quizzes.

IV. Major Course Requirements

- A. Major Requirement 1 – There will be a proctored midterm exam.
- B. Major Requirement 2 – There will be a proctored final exam.
- C. Major Requirement 3 – There will be a non-proctored quiz over each chapter (9 total), and a syllabus quiz.
- D. Major Requirement 4 – There will be a Teamwork Research Project

V. Grading Assessments

- A. Chapter Quizzes 40%, Teamwork Research Project 20%, Midterm exam 20%, and Final Exam 20%.
- B. Final Grade: A = 90-100, B = 80-89, C = 70-79, D = 60-69, F = 59 and below.

VI. Information Books and Other Course Materials

- A. Required Book: Foundations of Earth Science, 8th Edition, Lutgens, 2017
PRINT ISBN: 9780134184814, ETEXT ISBN: 9780134294827

VII. Other Policies, Procedures and important dates. Click this link

<http://www.wtc.edu/publications.html> then on the appropriate catalog to find the following information.

- A. Campus Calendar
- B. Final exam schedule
- C. How to drop a class
- D. Withdrawal information
- E. Student Conduct/Academic Integrity
- F. Class Attendance
- G. Students with disabilities

VIII. Planned Course of Study

- A. Lecture

Areas To Be Covered
Introduction to Earth Science
Chapter 1 – Matter and Minerals
Chapter 2 - Rock Cycle and Rock Types
Chapter 5 – Plate tectonics and diastrophism
Chapter 8 – Geologic Time
Chapter 9 – Oceans
Chapter 13 – Atmosphere in Motion
Chapter 14 – Weather Patterns and Severe Weather
Chapter 15 – Nature of the solar system
Chapter 16 – Beyond Our Solar System

Note: Schedule and content of the course are subject to change at the instructor's discretion.