

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Geology</u>
COURSE RUBRIC AND NUMBER	<u>GEOL 1102</u>
COURSE TITLE	<u>Principles of Geology Laboratory</u>
COURSE CREDIT HOURS	<u>1 0 : 2</u> Credits Lec Lab

I. Catalog Description

Accompanies GEOL 1302, Earth Sciences II laboratory-based course. Activities will focus on methods used to collect and analyze data related to natural resources, hazards, and climate variability. **Corequisite: GEOL 1302. (0:2). Lab fee.**

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to:

- A. Locate on maps and/or photographs localities susceptible to tectonic, meteorological, and oceanographic hazards.
- A. Discuss methods of hazard prevention and mitigation such as early warning techniques, construction methods, and civil planning.
- B. Describe factors contributing to past and current climate change.
- C. Analyze the effects of climate variability on geological and biological systems.
- D. Analyze diverse sources of data that document climate variability such as ice cores, dendrochronology, fossils, and pollen.
- F. Relate the distribution of fossil fuel, metal, and nonmetal resources to geologic processes.
- G. Describe the methods of extracting natural resources and their effect on the environment.
- H. Describe renewable resources and methods of sustainability.

III. THECB Learning Outcomes (ACGM)

Upon successful completion of this course, students will:

1. Locate on maps and/or photographs localities susceptible to tectonic, meteorological, and oceanographic hazards.
2. Discuss methods of hazard prevention and mitigation such as early warning techniques, construction methods, and civil planning.
3. Describe contributing factors to past and current climate change.
4. Analyze effects of climate variability on geological and biological systems.
5. Analyze diverse sources of data that document climate variability such as ice cores, dendrochronology, fossils, and pollen.
6. Relate the distribution of fossil fuel, metal and nonmetal resources to geologic processes.
7. Describe the methods of extraction of natural resources and their effect on the environment.
8. Describe renewable resources and methods of sustainability.

IV. Evaluation

The procedure for determining the final grade will be decided by the instructor and presented to the student in the instructor syllabus.

A. Grading Criteria

The number, frequency, and types of quizzes and exams are left to the discretion of the instructor. Lab exercises are required for each unit. Homework and papers may be assigned, corrected, and graded as the instructor decides.

B. Grading Scale:

Above 90 =**A**
80-89.9 =**B**
70-79.9 =**C**
60-69.9 =**D**
Below 60 =**F**

V. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Room C-112 (831-2426); TM Room 1400 (831-5808); RG Room B-201 (831-4198); NWC Room M-54 (831-8815); and MDP Room A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.