

El Paso Community College

Syllabus

Part II

Official Course Description

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| SUBJECT AREA | <u>Geology</u> |
| COURSE RUBRIC AND NUMBER | <u>GEOL 1101</u> |
| COURSE TITLE | <u>Principles of Earth Science Laboratory</u> |
| COURSE CREDIT HOURS | <u>1 0 :<!-- 2</u--> Credits Lec Lab</u> |

I. Catalog Description

Accompanies GEOL 1301, Principles of Earth Sciences. This is a laboratory-based course. Activities will cover methods used to collect and analyze data in geology, meteorology, oceanography, and astronomy.
Corequisite: GEOL 1301. (0:2). Lab fee.

II. Course Objectives

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

- A. Classify rocks and minerals based on chemical composition, physical properties, and origin.
- B. Apply knowledge of topographic maps, diagrams, and/or photographs to identify landforms and explain the processes that created them.
- C. Differentiate the types of plate boundaries, explain the processes that occur at each, and identify associated structural features on maps, block diagrams, and cross sections.
- D. Apply relative and numerical age-dating techniques to construct geologic histories.
- E. Measure atmospheric processes that affect weather and climate.
- F. Describe the composition and motion of ocean water and analyze the factors controlling both.
- G. Compare properties and motions of objects in the solar system.
- H. Demonstrate the collection, analysis, and reporting of data.

III. THECB Learning Outcomes (ACGM)

Upon successful completion of this course, students will:

- 1. Classify rocks and minerals based on chemical composition, physical properties, and origin.
- 2. Apply knowledge of topographic maps, diagrams, and/or photographs to identify landforms and explain the processes that created them.
- 3. Differentiate the types of plate boundaries, explain the processes that occur at each and identify associated structural features on maps, block diagrams and cross sections.

4. Apply relative and numerical age-dating techniques to construct geologic histories.
5. Measure atmospheric processes that affect weather and climate.
6. Describe the composition and motion of ocean water and analyze the factors controlling both.
7. Compare properties and motions of objects in the solar system.
8. Demonstrate the collection, analysis, and reporting of data.

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.

VII. Title IX and Sex Discrimination

Title 9 (20 U.S.C. 1681 & 34 C.F.R. Part 106) states the following "No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving Federal financial assistance." The Violence Against Women Act (VAWA) prohibits stalking, date violence, sexual violence, and domestic violence for all students, employees and visitors (male and female). If you have any concerns related to discrimination, harassment, or assault (of any type) you can contact the Assistant to the Vice President for Student and Enrollment Services at 915-831-2655. Employees can call the Manager of Employee Relations at 915-831-6458. Reports of sexual assault/violence may also be reported to EPCC Police at 915-831-2200.