

# El Paso Community College

## Syllabus

### Part II

## Official Course Description

SUBJECT AREA	<u>Geology</u>		
COURSE RUBRIC AND NUMBER	<u>GEOL 1301</u>		
COURSE TITLE	<u>Principles of Earth Sciences</u>		
COURSE CREDIT HOURS	<u>3</u>	<u>3</u>	<u>0</u>
	Credits	Lec	Lab

### I. Catalog Description

Surveys geology, meteorology, oceanography, and astronomy. **Prerequisite:** INRW 0311 or ESOL 0340 (can be taken concurrently) or by placement exam or ENGL 1301 with a “C” or better or ENGL 1302 with a “C” or better. **Corequisite:** GEOL 1101. (3:0).

### II. Course Objectives

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

- 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
- F. Students will produce a research project presentation in which they will analyze, evaluate, and synthesize a topic given by the instructor. The topic will allow the students to demonstrate creativity, innovation and inquiry as well as analysis, interpretation and synthesis of information. Upon successful completion of the project, students will demonstrate the following skills:
  1. **Critical thinking skills:** Students will engage in creative thinking, innovation, and inquiry, and demonstrate analysis, evaluation, and synthesis of information.
  2. **Communication skills:** Students will demonstrate effective written, oral, and visual communication.
  3. **Teamwork skills:** Students will demonstrate that they are able to work effectively with others, to consider different point of view, to support a common purpose or goal, and to reach a conclusion.
  4. **Empirical and Quantitative skills:** Students will demonstrate successful manipulation and analysis of numerical data or observable facts, resulting in informed conclusions.

### **III. THECB Learning Outcomes (ACGM)**

Upon successful completion of this course, students will:

1. Explain the current theories concerning the origin of the Universe and of the Solar System.
2. Explain the place of Earth in the Solar System and its relationships with other objects in the Solar System.
3. Relate the origin and evolution of Earth's internal structures to its resulting geologic systems, including Earth materials and plate tectonic activities.
4. Explain the operation of Earth's geologic systems and the interactions among the atmosphere, the geosphere, and the hydrosphere, including meteorology and oceanography.
5. Explain the history of the Earth including the evolution of earth systems and life forms.

### **IV. Evaluation**

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

Possible grading procedures may include:

- A. Lecture exams and quizzes
- B. Homework
- C. Individual and/or group projects
- D. Written work, including research papers

Grading: 90 and above = 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.