

ESCI 122: EARTH HISTORY

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2021
Credits:	3
Total Contact Hours:	54
Lecture Hours :	54
Lab Hours:	0
Hours Arranged:	0
Outside of Class Hours:	108
Strongly Recommended:	ENGL 101.
District General Education:	B2. Natural Sciences - Physical Sciences
Transferable to CSU:	Yes
Transferable to UC:	Yes - Approved
Grading Method:	Standard Letter

Catalog Course Description

This course covers geologic history of the earth as shown by the changing of land and sea and by the succession of fauna and flora. Stratigraphy and fossils used for interpreting the sequence of past geological events are studied. 54 lecture hours.

Course Objectives

- Using scientific terminology, describe the enormity of geologic time.
- Using scientific terminology, describe Earth history throughout the Cenozoic.
- Using scientific terminology, explain the concept of uniformitarianism as it relates to sedimentary processes.
- Display an understanding of the evolution of plant and animal species on Earth.
- Using scientific terminology, describe the significance of Earth's fossil record.
- Using scientific terminology, describe and demonstrate an understanding of Plate Tectonics.
- Using scientific terminology, describe Earth history throughout the Archean.
- Using scientific terminology, describe Earth history throughout the Proterozoic.
- Using scientific terminology, describe Earth history throughout the Paleozoic.
- Using scientific terminology, describe Earth history throughout the Mesozoic.

Major Course Content

1. Introduction to Earth System History
2. Earth Materials and Features
3. Geologic Time
4. Life on Earth and the Fossil Record
5. Biologic Evolution
6. Stratigraphic Principles and Sedimentary Environments
7. Plate Tectonics

8. Archean World
9. Proterozoic World
10. Paleozoic World
11. Mesozoic World
12. Cenozoic World

Suggested Reading Other Than Required Textbook

Internet website produced by the United States Geological Survey, newspaper articles, and professional journals (e.g., Geology Today and GSA).

Examples of Required Writing Assignments

Critically analyze information gathered from observation, professional journals, websites, and newspapers to describe the geologic history of a specific locality through a scientific term paper.

Examples of Outside Assignments

Study the fossil record in the rocks beneath the housing project in which you live, the college that you attend, or a nearby National or State park.

Instruction Type(s)

Lecture

IGETC Area 5: Physical and Biological Sciences

5A. Physical Science