

ESCI 124: NATURAL DISASTERS

Citrus College Course Outline of Record

Heading	Value
Effective Term:	Fall 2022
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

Application of geologic principles in the study of natural disasters. Topics include earthquakes, volcanism, mass wasting, climate change, floods, coastal processes, mass extinctions, and meteorite impacts. 54 lecture hours.

Course Objectives

- identify and evaluate potential environmental problems
- evaluate geologic processes in their role in environmental restoration
- identify and evaluate the effect of continual population growth on the environment

Major Course Content

1. Earthquakes
2. Volcanoes – an Urban Hazard
3. Mass Wasting/Landslides
4. Flooding
5. Subsidence
6. Coastal Hazards
7. Atmosphere and Severe Weather
8. Climate and Climate Change
9. Mineral Resources and Fossil Fuels
10. Wildfires
11. Impacts and Extinctions
12. Environmental Impact Statements

Suggested Reading Other Than Required Textbook

Scientific journals and/or newspaper articles about current geologic events

Examples of Required Writing Assignments

Reports and essays on the videos or outside articles they have read about geologic events.

Examples of Outside Assignments

Watching YouTube or other videos about geologic events; reading scientific journal and/or newspaper articles about current geologic events.

Instruction Type(s)

Lecture, Online Education Lecture

IGETC Area 5: Physical and Biological Sciences

5A. Physical Science