GEOGRAPHY

Career Opportunities

B.A. Level
(All careers require a bachelor’s or advanced degree)
Conservationist  Urban Planner Climatologist
Economic Geographer G.I.S.
Land-Use Analyst

Faculty

Full-Time  Part-Time
Christiane Mainzer  James Craine
Martine Vallade

Geography Courses

GEOG R101—Elements of Physical Geography  3 units
3 hours lecture weekly
This course is an introduction to physical geography as a spatial study which investigates the “human/environment” interaction process incorporating the elements of the atmosphere, lithosphere, hydrosphere, and biosphere. Global environmental issues will also be reviewed. Field trips may be required. (2)
Transfer credit: UC, CSU

GEOG R101L—Physical Geography Lab  1 unit
3 hours lab weekly
Prerequisites: GEOG R101 or concurrent.
This optional laboratory is designed to accompany GEOG R101. It introduces the global physical world, its dynamics and spatial relationships. This lab features observation, measurement and analysis of basic principles and concepts pertaining to Earth’s physical systems, including the atmosphere, hydrosphere, lithosphere and biosphere. Field trips will be required. (2)
Transfer credit: UC, CSU

GEOG R102—World Regional Geography  3 units
3 hours lecture weekly
This course introduces the regional approach to the study of human geography and the world’s major culture realms. Interpreting the cultural landscape employs the essential concepts in a geographic survey of the world in spatial terms, places and regions, the physical environment, and society and environment interaction. (2)
Transfer credit: UC, CSU

GEOG R102L—World Regional Geography Lab  1 unit
3 hours lab weekly
Prerequisites: GEOG R102 or concurrent.

GEOG R103—Introduction to Weather and Climate  3 unit
3 hours lecture weekly
An introduction to the Earth’s atmosphere, the methods employed in analyzing and understanding weather phenomena are investigated in this course. Global changes in climate patterns, human modification, and impact of weather systems are also examined. Field trips may be required. (2)
Transfer credit: UC, CSU

GEOG R104—Geography of California  3 units
3 hours lecture weekly
This course examines the physical and cultural environments of California’s diverse landscapes, including landforms, climate, natural vegetation, natural resources, economic activities and historical settlement in the Golden State. Special emphasis is given to the human landscape of Southern California. Field trips may be required. (2)
Transfer credit: UC, CSU

GEOLOGY

Career Opportunities

B.S. Level
Consulting Geologist Field Geologist
Engineering Geologist Laboratory Research Worker
Geological Technician Petroleum Geologist
Environmental Geologist Marine Geologist

Faculty

Full-Time  Part-Time
Thomas O’Neil  Joseph Saenz

Geology Courses

GEOL R101—Physical Geology  3 units
3 hours lecture weekly
This course is a survey of the earth and the processes that shape it. The course offers an overview of earthquakes, volcanism, plate tectonics, mountain building, weathering, erosion, soil, origin of minerals and rocks, and water and energy resources. Field trips may be required. (2)
Transfer credit: UC, CSU

GEOL R101L—Physical Geology Lab  1 unit
Prerequisites: GEOL R101 or concurrent.
3 hours lab weekly
This course is the laboratory to accompany GEOL R101. Topics include identification and interpretation of geologic features, description of rocks and minerals, and water and energy resources. Field trips will be required. (2)
Transfer credit: UC, CSU

GEOL R103—Introduction to Oceanography  3 units
3 hours lecture weekly
This course is a broad survey of the field of oceanography. Topics include geology and geography of ocean basins and coastlines, plate tectonics, waves, currents, tides, properties of seawater, methods of oceanographic exploration, and an introduction to Marine Biology. Physical oceanography is for those students who wish to continue the Pre-service Fire Prevention Technology A.S. Degree. Field trips may be required.
Transfer credit: UC, CSU

GEOL R103L—Intro to Oceanography Lab  1 unit
Prerequisites: GEOL R103 or MST R103 or concurrent.
3 hours lab weekly
This course is the laboratory to accompany GEOL R103. Topics include introduction to ocean/atmosphere relationships, interpretation of bathymetric maps, applied methods of measurement, and descriptive analysis of the physical ocean, including beaches, ocean currents, waves, and water properties. Field trips will be required. (Same as MST R103L (2)
Transfer credit: UC, CSU