

GEOLOGY (GEY)

GEY 1034 | Oil and Gas Geology

Lecture Credit: 1

Introduces basic concepts of oil and gas geology including associated rock types, hydrocarbon formation mechanisms, stratigraphic relationships, permeability, and various types of traps. Oil and gas exploration and production methods are also covered. Examples from within Colorado are given.

GEY 1075 | Special Topics

Presents an overview of the special topic including one aspect of the earth and its history as recorded in rocks and rock formations. May include current changes and impact of historical events and exploration of current topics, issues and activities related to one or more aspects of the named discipline.

Note: Special topics courses range from 0-12 credits and vary in learning type. Please see your program chair for more information about your options.

GEY 1108 | Geology of National Parks GT-SC2

Lecture Credit: 3

Explores significant geologic features and the processes that create them using examples and case studies from the U.S. National Park System. Weathering and erosional landforms, caves and reefs, coasts, glaciers, volcanoes, and complex mountains are discussed. Fundamental geologic concepts including plate tectonics, deep time, and rock classification are introduced and incorporated throughout the course. This course is part of the Guaranteed Statewide Transfer courses. GT:SC2.

Prerequisite: College Readiness in English and Quantitative Literacy Math

GEY 1111 | Physical Geology with Lab: GT-SC1

Lecture Credit: 3 Lab Credit: 1

Encompasses the materials of the earth, its structure, surface features and the geologic processes involved in its development. This course includes laboratory experience. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: College Readiness in English and Quantitative Literacy Math

GEY 1112 | Historical Geology with Lab: GT-SC1

Lecture Credit: 3 Lab Credit: 1

Covers the physical and biological development of the earth through the vast span of geologic time. Emphasizes the investigation and interpretation of sedimentary rocks, the record of ancient environments, fossil life forms, and physical events, all within the framework of shifting crustal plates. Course includes laboratory experience. This course is one of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: GEY 1111 with a grade of C or better

GEY 1135 | Environmental Geology with Lab: GT-SC1

Lecture Credit: 3 Lab Credit: 1

Introduces the subject of geology as it relates to human activities. Geologic hazards such as floods, landslides, earthquakes, and volcanoes are investigated. Mineral, energy, soil, and water resources are discussed in terms of their geologic formation and identification, usage by society, and associated environmental impacts. Land use issues, waste, and pollution are also examined. This course is part of the Statewide Guaranteed Transfer courses. GT-SC1

Prerequisite: College Readiness in English and Quantitative Literacy Math