

GEOLOGY (GEOL)

GEOL 100 PRINCIPLES OF GEOLOGY 3 UNITS

Pass/No Pass or Grade is Allowed
 Recommended Preparation: RDG 158 or equivalent or through the Southwestern College multiple measures placement processes.
 Lecture 3 hours
 Offered: ALL
 Introduces the principles of geology with an emphasis on Earth processes. Focuses on the origin of the Earth as well as the internal and external processes that change and shape it. [D; CSU; UC; C-ID GEOL 100]

GEOL 101 GENERAL GEOLOGY LABORATORY 1 UNIT

Pass/No Pass or Grade is Allowed
 Recommended Preparation: RDG 158 or equivalent or through the Southwestern College multiple measures placement processes.
 Corequisite: GEOL 100 or GEOL 104 (may be taken previously).
 Laboratory 3 hours
 Offered: ALL
 Provides hands-on experience with land forms, rocks, minerals, topographic maps, and aerial photographs. Focuses on the physical and chemical systems of the Earth such as the tectonic cycle, rock cycle, and hydrologic cycle. [D; CSU; UC; C-ID GEOL 100L, GEOL 120L]

GEOL 104 INTRODUCTION TO EARTH SCIENCE 3 UNITS

Pass/No Pass or Grade is Allowed
 Recommended Preparation: RDG 158 or equivalent or through the Southwestern College multiple measures placement processes.
 Lecture 3 hours
 Offered: ALL
 Introduces students to the Earth's four principal reservoirs and their interconnectedness: solid earth, ocean, atmosphere, and biosphere. Emphasizes how humanity interacts with these reservoirs. Includes solar system origins and dynamics. Most appropriate for liberal studies majors. [D; CSU; UC; C-ID GEOL 120]

GEOL 110 INTRODUCTION TO OCEANOGRAPHY 3 UNITS

Grade Only
 Recommended Preparation: RDG 158 or equivalent or through the Southwestern College multiple measures placement processes.
 Lecture 3 hours
 Offered: FALL, SPRING
 Introduces the physical, chemical, biological, and geological foundations of the global ocean system. [D; CSU; UC] (Same as: GEOG 110; PHS 110)

GEOL 115 DINOSAURS AND THE STORY OF EARTH 3 UNITS

Pass/No Pass or Grade is Allowed
 Recommended Preparation: RDG 158 or equivalent or through the Southwestern College multiple measures placement processes; GEOL 100 or GEOL 104 or equivalent.
 Lecture 3 hours
 Offered: SPRING
 Introduces the Earth's history and the life it supports. Includes subjects such as geologic dating, global tectonics, stratigraphy, dinosaurs, fossils, biological evolution, the planet's origin and the processes that have influenced paleogeography during the past 4.6 billion years. [D; CSU; UC; C-ID GEOL 110]

GEOL 115L DINOSAURS AND THE STORY OF EARTH LAB 1 UNIT

Pass/No Pass or Grade is Allowed
 Recommended Preparation: RDG 158 or equivalent or through the Southwestern College multiple measures placement processes.
 Corequisite: GEOL 115 (may be taken previously).
 Laboratory 3 hours
 Offered: SPRING
 The laboratory component to Dinosaurs and the Story of Earth lecture course. Subjects include geologic dating, plate tectonics, stratigraphy, fossils, biological evolution, the planet's origin, and the processes that have influenced paleogeography during the past 4.6 billion years. [D; CSU; UC; C-ID GEOL 110L]

GEOL 299 INDEPENDENT STUDY 1-3 UNITS

Pass/No Pass or Grade is Allowed
 Limitation on Enrollment: Eligibility for independent study.
 Lecture 3 hours
 Offered: ALL
 Individual study or research in some area of geology of particular interest to the student and not included in regular courses of the college. [D; CSU; **UC] (**UC Limitation: credit for variable topics courses is given only after a review of the scope and content of the courses by the enrolling UC campus.)