GEOSCIENCES AND GEOLOGICAL AND PETROLEUM ENGINEERING

GEOLOGY 1120 & 1129: Evolution of the Earth

Lecture (#71308) and Lab (#71309) – Offered Summer 2020

GEOLOGY 1120 LECTURE

A survey of the Earth history from the coalescence of the solar system to the present and the events that have profoundly transformed the planet in the context of the dynamic feedback between physical and biological systems. A one day field trip is required.

Lecture can be taken with or without the lab course.

COURSE OBJECTIVES

• Rocks, minerals and sedimentary environments.
• Plate tectonics and mountain building.
• Geologic events, evolution and the fossil record from Hadean to Holocene.
• Major chemical cycles.

GEOLGY 1129 LABORATORY

Geology 1129 is designed to accompany Geology 1120 and consists of laboratory explorations of fundamental concepts in geology and the diversity of the fossil record.

Prerequisite: Preceded or accompanied by Geology 1120.

COURSE OBJECTIVES

• Classification of sedimentary rocks.
• Relative and absolute dating techniques.
• Paleoenvironment and paleoclimatology.
• Evolution of life through geologic time.
• Geologic map interpretation.

Time/Day: Arranged
Prerequisites: GEOLOGY 1120
Units: 3 hours
Course Component(s): Lab
Enrollment Information:
Distance Education
Delivery Mode: Internet
Class Number: 71309
Class Section: 301

Learn More, Contact:
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