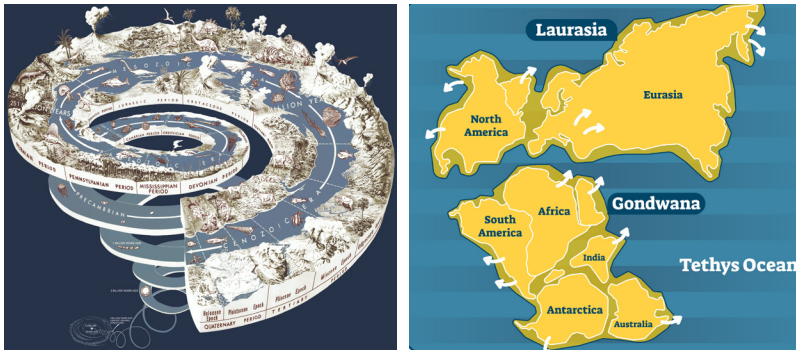


# GEOLOGY 1120 & 1129: Evolution of the Earth

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.

**Time/Day:** Arranged

**Prerequisites:** Recommend Geo Eng 1150 or Geology 1110 or Bio Sci 1113 but not required.

**Units:** 3 hours

**Course Component(s):** Lecture

**Enrollment Information:**

Distance Education  
**Delivery Mode:** Internet  
**Class Number:** 71308  
**Class Section:** 101

## GEOLOGY 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.
- Paleoecology 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