

**GLY 3884L**  
**Environmental Geology Laboratory**

**Prerequisites:** GLY 1010L

**Co-requisites:** GLY 3884

**Credits:** 1

**Course Description:** A laboratory course designed to accompany GLY 3880 in the study of the major concepts and principles in Environmental Geology. It is designed for students enrolled in the Baccalaureate Degree program in Science Education with a major in Earth Science.

**Course Competencies:**

**Competency 1: The student will acquire knowledge of Earth materials.**

- Exercise 1: Minerals
- Exercise 2: Igneous Rocks
- Exercise 3: Sedimentary Rocks
- Exercise 4: Metamorphic Rocks

**Competency 2: The student will acquire knowledge of maps and mapping techniques.**

- Exercise 5: Topographic Maps
- Exercise 6: Geologic Maps
- Exercise 8: Groundwater Maps

**Competency 3: The student will acquire knowledge of natural hazards created by geological processes.**

- Exercise 9: Seismic Risk and Earthquakes
- Exercise 10: Volcanoes and Eruptions
- Exercise 11: Fluvial Processes and Landforms
- Exercise 12: Floods
- Exercise 13: Coastal Erosion
- Exercise 14: Slope Stability and Mass Movements