

**Los Angeles Valley College
Course Level Student Learning Outcomes (SLO)**

Course Name and Number: Geology 6

Course Objectives: (List the course objectives as they appear in the course outline of record.)

Lecture Objectives

Design an experiment according to the scientific method and evaluate the strengths and weaknesses.

Interpret selected geological processes, structures, and events using information obtained from fossils and topographic and geologic maps.

Identify the properties and characteristics of the common minerals and rocks.

Laboratory Objectives

Apply the scientific method to analyze geologic problems encountered in an applied laboratory environment

Construct a cross-section and topographic profile from a geologic and topographic map.

Describe the chronological and geologic history, and plate tectonic setting displayed in rocks, maps, aerial photographs and fossils.

Examine the physical properties of minerals and rocks; and identify mineral species and rock types.

Analyze seismograms of earthquakes and determine the location of the earthquake epicenter.

Relate observations made and data collected during field trips to basic geologic processes and landforms.

Establish 1–2 course level student learning outcomes and indicate how each SLO will be assessed.

Course Level Student Learning Outcome	Assessment Measure
Students will be able to apply scientific principals to examine, analyze, and compare different rocks, minerals, maps, cross-sections and other geologic data.	Successful completion of laboratory assignments and summary reports. The instructor will grade the laboratory assignments using a rubric.

Provide an assessment plan/timeline: