



Course Number	GEOL 1110L, Physical Geology Lab
Course Name	
Credit Value (Breakdown of theory and lab credits)	1 Lab
Catalog Course Description	Physical Geology Lab is the laboratory component of Physical Geology. Students will learn to identify rocks and minerals in hand samples, work with topographic maps, geologic maps, and geologic cross-sections, and apply stratigraphic principles to explore geologic time.
Course Student Learning Outcomes/Objective s /Competencies of the Course	<p>Student Learning Outcomes:</p> <ol style="list-style-type: none"> 1. Use physical properties to identify mineral specimens. 2. Describe, classify, and identify igneous, sedimentary, and metamorphic rocks and their textures. 3. Utilize the principles of stratigraphy to provide an explanation of the geologic history portrayed in a photograph or cross-section. 4. Explain how contour lines are used to represent topography, use map scales to measure distances on the ground, and construct topographic profiles. 5. Identify landforms from images and topographic maps. 6. Interpret geologic maps and construct geologic cross-sections. 7. Acquire and communicate scientific data, ideas, and interpretations through written, oral, or visual means. Examples may include creating and describing graphs, maps and photos. 8. Apply critical thinking skills such as inductive, deductive, and mathematical reasoning to solve geological problems.
College-Wide Student Learning Outcomes	<p>GEOL 1110L will expose students to the following NNMC College Wide Goal:</p> <p><i>Critical thought: Students are required to analyze and synthesize information and draw reasoned conclusions.</i></p>
Program Student Learning Outcomes measured	None