

Objective 2.1: Knowledge of the Liberal Arts Course: Introductory Geology Lab GSCI 102

Students will possess a broad understanding of how to think about the world, having studied the modes of inquiry characteristic of humanities, mathematics, natural sciences, and social and behavioral sciences.

Outcome 2.1-D (3): Natural Scientific Mode of Inquiry (lab course)

By graduation students will:	Not Proficient 1 Point	Developing Proficiency 2 Points	Proficient 3 Points	Exceeding Proficiency 4 Points
Apply scientific methodology to a natural science question to increase understanding, make an informed decision, and/or solve a problem.	Unable to apply scientific methods to the lab to increase understanding, make an informed decision, and/or solve a problem. Correctly identifies \leq 50% of samples.	Correctly applies some scientific methods taught in the course to the lab to increase understanding, make an informed decision, and/or solve a problem. Correctly identifies 51-69% of samples.	Correctly applies most scientific methods taught in the course to the lab to increase understanding, make an informed decision, and/or solve a problem. Correctly identifies 70-89% of samples.	Correctly applies all scientific methods taught within the course to the lab to increase understanding, make an informed decision, and/or solve a problem. Correctly identifies 90+% of samples.

Assignment meeting Outcome 3: Lab 6: Metamorphic Rocks. Note, lab 3 (Mineral Identification), lab 4 (Igneous Rocks), and lab 5 (Sedimentary Rocks) are provided as examples, in addition to lab 6 (Metamorphic Rocks). The default assignment to assess this outcome is lab 6, but we might be interested in assessing it with other assignments (labs 3-5) that are identical in design but on different topics.