

Geology BS*
2019-2020 Student Learning Outcomes

Outcome		Assessment Methods
1	<i>Students will identify, describe, and classify minerals, rocks, fossils, structures, and strata; make scientific observations of these items in the field and in the laboratory; analyze observations and measurements in a scientifically sound manner.</i>	<i>Final exam Research paper</i>
2	<i>Students will summarize and explain the Earth's history, uniformitarian processes that shape the Earth, and the evolution of life as revealed in the fossil record.</i>	<i>Final exams</i>
3	<i>Students will analyze society's dependence on Earth resources, the interaction between human activities and the natural environment (including global climate change), and understand geological hazards.</i>	<i>Final exams</i>
4	<i>Students will apply geologic knowledge to the analysis to structural and stratigraphical problems in the field.</i>	<i>Class projects</i>

*Preliminary Outcomes