Appendix 1

Overall Program Goals for All Programs of the Geology Dept.

I. Students are prepared for professional and /or graduate study involving the geosciences;
II. Students develop a deep understanding of Earth systems: how Earth systems work and how they interact;
III. Students develop their ability to solve geologic problems through the use of scientific method;
IV. Students develop a deep curiosity about how the Earth works, and a lifelong appreciation of the Earth's place in space and time; and
V. Students develop their technical communication skills: seeking and processing technical information; and communicating technical information and conclusions in both oral and written form.

Summary of Assessment Data:

- Student Knowledge Inventory
- Geology 188 field maps and assignments
- Geology 111B field maps and assignments
- Embedded assignments from majors courses
- Writing rubrics from required assignments
- CSET scores

Summary of Assessment Tasks for 2014-2019

Year	Periodic Tasks	Yearly Tasks
2014-15	Geology 188 review	1. Administer SKI in Fall semester; compile results & review. 2. Collect Geology 188 rubrics, cross-sections and select maps 3. Collect Geology 111B rubrics, cross-sections and maps. 4. Collect writing rubrics 5. Collect embedded assignments from one course. 6. Collect CSET data from Earth Science majors.
2015-16	Geology 111B review	
2016-17	Embedded assessment review Geology 188 review	
2017-18	Writing review Geology 111B review	
2018-19	SKI longitudinal review	

Appendix 1

BS in Geology

Program Learning Outcome	Assessment Method(s)	Performance Standard	Assessment Schedule
Students will master a set of fundamental geologic concepts essential to understanding and solving geologic problems	Student Knowledge Inventory	70% of seniors answer questions in each domain correctly	Every Fall, administered in Geology 100 and Geology 102. Collect data yearly, review annual data yearly, do longitudinal review once every five years.
	Embedded assignments, select exam problems/questions	70 % of students answer questions/work problems correctly	Sample one course every year. Analyze data once in 5-year cycle.
Students will be proficient in solving geologic problems	Field assignments from Geology 188	TBD	Collect every year, review every other year. 2014-15 2016-17 2018-19
Students will be proficient in understanding and producing geologic maps.	Field assignments from Geology 188.	TBD	Collect every year, review every other year 2014-15 2016-17 2017-18
Students will be proficient writers, skilled in the genres of scientific and technical writing	Review rubrics from required writing assignments: • Field report from Geology 111B • Literature review from an elective course	70% of students demonstrate Milestone 2 on revised Written Communication VALUE Rubric	Review once in 5-year cycle.

Appendix 1

BA in Geology

Program Learning Outcome	Assessment Method(s)	Performance Standard	Assessment Schedule
Students will master a set of fundamental geologic concepts essential to understanding and solving geologic problems	Student Knowledge Inventory	70% of students answer questions in each domain correctly	Every Fall, administered in Geology 100 and Geology 102
	Embedded assignments	70 % of students answer questions/work problems correctly	Sample one course every year. Analyze data once in 5-year cycle.
Students will be proficient in solving geologic problems	Field assignments from Geology 111B.	TBD	Collect every year, review every other year. 2015-16 2017-18 2018-19
Students will be proficient in introductory skills of understanding and producing geologic maps.	Field assignments from Geology 111B.	TBD	Collect every year, review every other year. 2015-16 2017-18 2018-19
Students will be proficient writers, skilled in the genres of scientific and technical writing	Review rubrics from required writing assignments: • Field report from Geology 111 • Literature review from an elective course	70% of students demonstrate Milestone 2 on revised Written Communication VALUE Rubric	Review once in 5-year cycle.

Appendix 1

BA in Earth Science

Program Learning Outcome	Assessment Method(s)	Performance Standard	Assessment Schedule
Students will master a set of fundamental earth science concepts essential to understanding and solving geologic problems	Student Knowledge Inventory	70% of students answer questions in each domain correctly	Every Fall, administered in Geology 100 and Geology 102
	CSET scores	70% of students will pass Science Subtest #1 on the first try	Collect data yearly, review once every five years
Students will be proficient in solving geologic problems	Field assignments from Geology 111B.	TBD	Collect every year, review every other year. 2015-16 2017-18 2018-19
Students will be proficient in introductory skills of understanding and producing geologic maps.	Field assignments from Geology 111B.	TBD	Collect every year, review every other year. 2015-16 2017-18 2018-19
Students will be proficient writers, skilled in the genres of scientific and technical writing	Review rubrics from required writing assignments: • Field report from Geology 111 • Literature review from an elective course	70% of students demonstrate Milestone 2 on revised Written Communication VALUE Rubric	Review once in 5-year cycle.