

Earth Science BA Assessment Plan

SLO	Year assessed	Summary of Measures	Summary of Outcomes
1. Produce and interpret a geological cross-section	N/A – 2018-2019	N/A - TBD	N/A - TBD
2. Model the function, interactions, and trends of Earth Systems: geosphere, hydrosphere, cryosphere, atmosphere, and biosphere	2015-2016	Direct measures of projects in Geology 420 and Geology 470, included back data of projects from Geology 470. Indirect measures of students in Geology 420 with self-assessment survey.	Assessment success criteria were met (and exceeded) in all areas. Geology 470 Fall 2013, Fall 2014 and Fall 2015 saw 100%, 87% and 96% respectively earn a C or better on projects. Geology 420 Spring 2016 100% earned a C or better on projects and 100% scored a 9 (75%) or better on self-assessment.
3. Apply mathematics, chemistry, biology and/or physics to help clarify the mechanisms behind major Earth systems	N/A – 2017-2018	N/A - TBD	N/A - TBD
4. Develop a hypothesis, collect, test, and analyze data, and summarize results	2016-2017	Direct and indirect evaluation of posters at Research Day, Spring 2017. Will use iPad and standard rubrics.	N/A – (Spring 2017)
5. Communicate geoscience concepts to peers and/or public both orally and written	2015-2016	Direct and indirect evaluation of posters at Research Day, Spring 2016. Used iPad and standard rubrics, students were evaluated by 3 faculty.	Assessment success criteria were met (and exceeded) in all areas. 100% of students scored a C or better on poster rubric and self-assessment.

For the most up-to-date information, please contact the program.