



ALAMO  
COLLEGES

PALO ALTO COLLEGE

**Program or Certificate: Associate of Science in Geology**

**Academic Year Assessed: 2013-2014**

**Program Lead Faculty: Dr. Glen S. Tanck**

**Department Chair: Ed Hagen**

Program Learning Outcome #1	Students will demonstrate an understanding of the materials that make up the Earths and the processes that shape it.
Courses in the degree plan that address this outcome	Geology 1403: Physical Geology
Assessment Method	Performance on the Geology 1403 final exam.
Targets for Achievement	75% of students receive a 70% or better grade on the final exam
Results	78% (36 of 46) did better than 70% on the final.
Target Met or Not Met	Target was met.
New action plan for improvement of student learning	Increase active learning activities in lecture.
Evaluation of previous cycle's action plans	N.A
Program Learning Outcome #2	Students will demonstrate knowledge of mineral and rock properties and be able to identify common rocks and minerals.



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Courses in the degree plan that address this outcome	Geology 1403: Physical Geology
Assessment Method	Performance on mineral and rock lab practicals.
Targets for Achievement	70% of students receive a 70% or better combined average on the mineral and rock lab practicals.
Results	60% (29 of 47) had a mineral and rock lab practical average of 70% or better.
Target Met or Not Met	Target was not met.
New action plan for improvement of student learning	Greater emphasis on value of using the Science Learning Labs with possible incentives to do so. Experiment with possible practice lab practicals.
Evaluation of previous cycle's action plans	N.A.