

Crafton Hills College - Outcomes Assessment Report

General Education Outcome A: Natural Sciences

Term Assessed: 2015 Spring

Learning Outcomes Statement

Students successfully completing a course in this area will be able to apply a problem solving strategy such as the scientific method or other systematic process of inquiry and to recognize the contributions of science and technology in our world.

Means of Assessment (Measurement Method)

On Flex Day, April 1, 2015, the Institutional Effectiveness, Accreditation, and Outcomes Committee (IEAOC) with the Professional Development Committee (PDC) organized a campus wide meeting to discuss the results collected from SLO Cloud tool on the Natural Sciences GEO. Twenty-six adjunct and full-time instructional and non-instructional faculty from 20 different disciplines attended the session and chose which GEO group to participate in. Two groups of faculty participated in developing the proposed actions for the Natural Sciences GEO.

Summary of Evidence

The Office of Institutional Effectiveness, Research, and Planning (OIERP) provided a summary of the GEO results for Natural Sciences based on faculty mappings to the GEO, the proposed actions, and the list of courses where the outcome was mapped to the Natural Sciences GEO. A list of proposed actions, courses with outcomes mapped to Natural Sciences, and the results are illustrated below.

Table 1: List of Proposed Actions for Courses with Outcomes Mapped to GEO A: Natural Sciences.

All SLO's are > 70% and they are meeting the program standard.
Continue to push students to give it their all and not give up or look for an easy way out when it comes to their understanding or mathematics
In this assessment, students demonstrated that they were able to successfully design, implement, and test assembly programs in order to solve a given problem.
In this assessment, students demonstrated that they were able to successfully design, implement, and test C++ object-oriented programs in order to solve a problem.

Table 2: Number and Percent of students scoring 3 or Higher on the Natural Sciences GEO.

#	Institution Learning Outcomes	# of Students Meeting SLO Rubric				# 3 or higher	% 3 or higher
		1	2	3	4		
6	Ethics & Values: Students make informed, principled choices; foresee the consequences of their choices; and solve moral dilemmas. They demonstrate self-awareness, social responsibility, and behavior guided by personal and professional ethics.	28	8	80	66	146	80.22%

Table 3: List of Courses where Outcomes were mapped to the Natural Sciences GEO.

CSCI-120
CSCI-240
MATH-952
MATH-095
RESP-130

Use of Results/Proposed Actions (Implications for Program Improvement & Planning)

- Continue to push students to give it their all and not to give up or look for any easy way out when it comes to their understanding of concepts.