

Crafton Hills College - Outcomes Assessment Report

Course: CHEM-123 (Chemistry for Everyone)

Term:
Date: XXXX

1. Learning Outcomes Statement

1. Knowledge of the basic areas of chemistry such as the structure and properties of matter, the transformations from one form of matter to another and the associated energy transformations.
2. Critical thinking in chemistry including interpretation, evaluation, explanation and critical inquiry; how to ask appropriate questions, gather relevant information efficiently and creatively, sort through this information, reason logically from this information and come to reliable and trustworthy conclusions.
3. Ability to collect, analyze and articulate results clearly and effectively in speech and in writing in an acceptable style of presentation. The ability to follow directions given both in written and verbal form.

Specific Outcomes assessed for the data presented	SLO measured
Knowledge of basic areas of Chemistry	1,3
Participation in discussion boards	4

2. Means of Assessment (Measurement Method)

SLO 1 & 3 were measured by evaluating exams for this course.

3. Criteria for Success (Benchmark)

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4. Summary of Evidence

The average score for Fall 2010 on all five exams was 69%. The average for exams for Spring 2011 increased to 81% .

5. Use of Results (Implications for Program Improvement & Planning)

This is an online chemistry course that was developed in 2008 and first offered in Fall 08. I noticed that the exam scores seemed consistently low, so I reviewed that material I presented, and the way I presented it and made changes. Discussions were made on this process between the full time faculty members to make the changes and adjustments the most reasonable for the students. The changes were made to the PowerPoint lectures, and I restated the instructions given to the students to make them clearer. The changes did show an increase in the grades which does reflect an increase in student knowledge of the basic areas of chemistry, and the interpretation and evaluation of the material presented in the course.