



# Cañada College

## 2014 Institutional Learning Outcomes (ILO) Assessment

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**Graduation Survey (Fall 2013)  
Student Satisfaction Survey (Spring 2014)**

Prepared for:

Planning & Budgeting Council

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## ILO ASSESSMENT FOR 2013-14

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### Background Explanation

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The College's Institutional Learning Outcomes (ILOs) identify the knowledge, skills, abilities and attitudes that will characterize students who successfully complete a program of study. Consequently, the College surveys its prospective graduates requesting them to perform a self-assessment of their achievement of the ILOs. Although these surveys do not directly assess student performance of ILOs, in essence, the self-assessments serve as an indicator of institutional effectiveness. Survey results from students who do not apply for graduation serve as a point of comparison since they are less likely to have completed their program of study.

The College conducted a survey of graduates in December 2013. We emailed **XXX** students who applied for graduation for December 2013. There were 11 students who completed the survey and the return rate was **XX%**. The College also conducted a student satisfaction survey in spring 2014. We emailed to **6600 students** on March 17, 2014, did three follow-up reminders, and closed the survey on April 20, 2014. There were **1131 students who completed** the survey and **the return rate was 17%**. Of the 1131 respondents, there were **244 (22%)** students who reported having applied for **graduation and/or transfer** the spring semester, 62% indicated that they did not apply for graduation and/or transfer, and 16% that did not respond to this question.

The responses of three groups of students (fall 2013 prospective graduates, spring 2014 prospective graduates, and those that did not apply for graduation in spring 2014) are summarized in the analysis below.

We were not able to compare these current results with the graduate survey conducted in fall 2013 because the scale in fall 2013 was 5-point Likert scale and the scale for this academic year surveys were 4-point Likert scales.

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### Executive Summary

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On **average**, students rated their level of achievement of the ILOs as:

- 3.57 on a 4-point scale (range 3.41-3.84) for fall 2013 graduates.
- 3.36 on a 4-point scale (range 3.29-3.46) for spring 2014 graduates.
- 3.25 on a 4-point scale (range 3.16-3.33) for spring 2014 non-graduates.

This indicates that, overall, prospective graduates are more confident about their successful attainment of the desired institutional learning outcomes, than non-graduates.

Students felt **most strongly** that they had achieved **ILO 4 - Community**.

- 3.67 on a 4-point scale (range 3.53-3.84) for fall 2013 graduates.

- 3.44 on a 4-point scale (range 3.43-3.46) for spring 2014 graduates.
- 3.31 on a 4-point scale (range 3.30-3.32) for spring 2014 non-graduates.

This indicates that overall students are confident about their successful attainment of this desired institutional learning outcomes--community.

Of participate note, **the strongest responses** in all ILOs items among three groups were in ILO 4 Community obtained by the following statements:

- I can work effectively with diverse groups of people to accomplish a task or solve a problem. (fall 2013 graduates 3.84, spring 2014 non-graduates 3.33)
- I can identify the contributions of people from of a different economic, social, racial or ethnic background than my own. (spring 2014 graduates 3.46)

Although none of the scores would properly be considered to be “weak”, the score of **ILO 5 - Scientific & Quantitative Reasoning** was the lowest in the survey:

- 3.46 on a 4-point scale (range 3.42-3.53) for fall 2013 graduates.
- 3.31 on a 4-point scale (range 3.29-3.32) for spring 2014 graduates.
- 3.18 on a 4-point scale (range 3.16-3.20) for spring 2014 non-graduates.

While this result does not signify true weakness or failure, it does indicate there is opportunity for improvement. Of particular note, the weakest responses among three groups were obtained by the following statements:

- I can use equations to analyze and solve problems. (fall 2013 graduates 3.42, spring 2014 non-graduates 3.16)
- I can make judgments and draw conclusions from data presented in graphs, tables, or diagrams. (spring 2014 graduates 3.31)
- I can critically analyze whether data, presented in graphs, tables or diagrams, support appropriate conclusions. (fall 2013 graduates 3.42)

## ILO 1: Critical Thinking

**Select, evaluate, and use information to investigate a point of view, support a conclusion, or engage in problem solving.**

Mean Score

Fall 2013 Graduates	Spring 2014 Graduates	Spring 2014 Non Graduates
3.57	3.34	3.24

*Average of items from Table 1*

*1=Strongly Disagree, 2=Disagree, 3=Agree, 4=Strongly Agree*

Overall, the ILO 1 score for graduates is higher than the score for non-graduates.

Table 1

ILO I: Critical Thinking-related questions	Fall 2013 Graduates Mean score	Spring 2014 Graduates Mean score	Spring 2014 Non Graduates Mean Score
30. Through my educational experience at Cañada College, I can apply theories or concepts to solving practical problems.	3.53	3.34	3.22
31. Through my educational experience at Cañada College, I can analyze the basic elements of an argument, idea, or theory.	3.56	3.31	3.22
32. Through my educational experience at Cañada College, I can select, evaluate, and use information to support a conclusion.	3.63	3.38	3.29

## ILO 2: Creativity

**Produce, combine, or synthesize ideas in creative ways within or across disciplines.**

Mean Score

Fall 2013 Graduates	Spring 2014 Graduates	Spring 2014 Non Graduates
<b>3.58</b>	<b>3.33</b>	<b>3.24</b>

*Average of items from Table 2*

*1=Strongly Disagree, 2=Disagree, 3=Agree, 4=Strongly Agree*

Overall, the ILO 2 score for graduates is higher than the score for non-graduates.

Table 2

ILO 2: Creative Skills-related questions	Fall 2013 Graduates Mean score	Spring 2014 Graduates Mean score	Spring 2014 Non Graduates Mean Score
33. Through my educational experience at Cañada College, I can draw from a variety of sources and inspirations to create unique, imaginative or innovative ideas or works.	3.63	3.30	3.20
34. Through my educational experience at Cañada College, I can identify and evaluate multiple approaches to solving problems.	3.63	3.31	3.25
35. Through my educational experience at Cañada College, I can apply the knowledge or skills that I acquired in one discipline to work that I do in another discipline.	3.47	3.39	3.26

### ILO 3: Communication

**Use language to effectively convey an idea or a set of facts, including the accurate use of source material and evidence according to institutional and discipline standards.**

Mean Score

Fall 2013 Graduates	Spring 2014 Graduates	Spring 2014 Non Graduates
<b>3.59</b>	<b>3.37</b>	<b>3.24</b>

*Average of items from Table 3*

*1=Strongly Disagree, 2=Disagree, 3=Agree, 4=Strongly Agree*

Overall, the ILO 3 score for graduates is higher than the score for non-graduates.

Table 3

ILO 3: Communication-related questions	Fall 2013 Graduates Mean score	Spring 2014 Graduates Mean score	Spring 2014 Non Graduates Mean Score
36. Through my educational experience at Cañada College, I can speak clearly and effectively to convey an idea or set of facts.	3.58	3.31	3.22
37. Through my educational experience at Cañada College, I can write clearly and effectively to convey an idea or set of facts.	3.63	3.35	3.26
38. Through my educational experience at Cañada College, I can find and evaluate sources of information and cite sources appropriately according to institutional and discipline standards.	3.53	3.40	3.24
39. Through my educational experience at Cañada College, I can integrate ideas or information from a variety of sources into a document or report.	3.63	3.41	3.25

## ILO 4: Community

**Understand and interpret various points of view that emerge from a diverse world of peoples and cultures.**

Mean Score

Fall 2013 Graduates	Spring 2014 Graduates	Spring 2014 Non Graduates
<b>3.67</b>	<b>3.44</b>	<b>3.31</b>

*Average of items from Table 4*

*1=Strongly Disagree, 2=Disagree, 3=Agree, 4=Strongly Agree*

Overall, the ILO 4 score for graduates is higher than the score for non-graduates.

Table 4

Community-related questions	Fall 2013 Graduates Mean score	Spring 2014 Graduates Mean score	Spring 2014 Non Graduates Mean Score
40. Through my educational experience at Cañada College, I can understand the perspective of people who hold religious beliefs, political opinions, or personal values that substantially differ from my own.	3.63	3.43	3.30
42. Through my educational experience at Cañada College, I can work effectively with diverse groups of people to accomplish a task or solve a problem.	3.84	3.44	3.32
43. Through my educational experience at Cañada College, I can identify the contributions of people from of a different economic, social, racial or ethnic background than my own.	3.53	3.46	3.31

## ILO 5: Quantitative Reasoning

**Represent complex data in various mathematical forms (e.g., equations, graphs, diagrams, tables, and words) and analyze these data to draw appropriate conclusions.**

Mean Score

Fall 2013 Graduates	Spring 2014 Graduates	Spring 2014 Non Graduates
<b>3.46</b>	<b>3.31</b>	<b>3.18</b>

*Average of items from Table 4*

*1=Strongly Disagree, 2=Disagree, 3=Agree, 4=Strongly Agree*

Overall, the ILO 5 score for graduates is higher than the score for non-graduates.

Table 4

Scientific & Quantitative Reasoning-related questions	Fall 2013 Graduates Mean score	Spring 2014 Graduates Mean score	Spring 2014 Non Graduates Mean Score
44. Through my educational experience at Cañada College, I can use equations to analyze and solve problems.	3.42	3.32	3.16
45. Through my educational experience at Cañada College, I can make judgments and draw conclusions from data presented in graphs, tables, or diagrams.	3.53	3.31	3.20
46. Through my educational experience at Cañada College, I can critically analyze whether data, presented in graphs, tables or diagrams, support appropriate conclusions.	3.42	3.29	3.19