2018 Institutional Learning Outcomes (ILO) Assessment

Graduation Survey (Spring 2018)

Prepared for:
Planning & Budgeting Council

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Cañada College   4200 Farm Hill Blvd. Redwood City, CA 94061

TABLE OF CONTENTS

ILO ASSESSMENT FOR 2017-18

Background Explanation

The College's Institutional Learning Outcomes (ILOs) identify the knowledge, skills, abilities and attitudes that 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.

In May 2018, the College conducted a Graduation Survey via email to 889 students who petitioned to graduate in summer 2017, fall 2017, spring 2018, and summer 2018; additionally, the survey was distributed to students who self-reported their transfer to 4-year universities during these terms. Of the students surveyed, **147** completed the survey, resulting in a response rate of approximately 17%.

The College's ILOs include:

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

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

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.

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

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.

Executive Summary

Overall, students rated their level of achievement from high to low on these 5 ILOs:

- ILO 4 Community (3.52)
- ILO 1 Critical Thinking (3.42)
- ILO 2 Creativity (3.41)
- ILO 3 Communication (3.41)
- ILO 5 Quantitative Reasoning (3.30)

Key Findings

1. The following ILO items were ranked most favorably by respondents:

- I can identify the contributions of people from of a different economic, social, racial, or ethnic background than my own. (ILO 4)
- Through my educational experience at Canada College, I can work effectively with diverse groups of people to accomplish a task or solve a problem. (ILO 4)
- Through my educational experience at Canada College, I can understand the perspective of people who hold religious beliefs, political opinions, or personal values that substantially differ from my own. (ILO 4)

2. While not indicative of true weakness or failure, the ILO items ranked lowest by respondents are as follows:

- I can use equations to analyze and solve problems. (ILO 5)
- I can critically analyze whether data presented in graphs, tables or diagrams support appropriate conclusions. (ILO5)
- I can draw from a variety of sources and inspirations to create unique, imaginative or innovative ideas or works. (ILO2)

Recommendations

1. Continue using these assessment tools in order to determine if the patterns observed persist over time.
2. Engage in a campus dialogue to address the general drop in respondents' self-assessment of ILOs, specifically ILO 5 and ILO 2.

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

Graduate 2015	Graduate 2016	Graduate 2017	Graduate 2018
N=162	N=124	N=135	N=147
3.52	3.59	3.42	3.42

Average of items from Table 1

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

Table 1

ILO I: Critical Thinking-related questions	Graduate 2015 N=162	Graduate 2016 N=124	Graduate 2017 N=135	Graduate 2018 N=147
1. Through my educational experience at Cañada College, I can apply theories or concepts to solving practical problems.	3.50	3.59	3.40	3.41
2. Through my educational experience at Cañada College, I can analyze the basic elements of an argument, idea, or theory.	3.51	3.60	3.40	3.39
3. Through my educational experience at Cañada College, I can select, evaluate, and use information to support a conclusion.	3.55	3.58	3.45	3.46

ILO 2: Creativity

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

Mean Score

Graduate 2015	Graduate 2016	Graduate 2017	Graduate 2018
N=244	N=162	N=124	N=135
3.48	3.51	3.41	3.41

Average of items from Table 2

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

Table 2

ILO 2: Creativity-related questions	Graduate 2015 N=162	Graduate 2016 N=124	Graduate 2017 N=135	Graduate 2018 N=147
4. 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.	3.46	3.47	3.39	3.34
5. Through my educational experience at Cañada College, I can identify and evaluate multiple approaches to solving problems.	3.46	3.52	3.42	3.42
6. 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.	3.53	3.54	3.41	3.47

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

Graduate 2015	Graduate 2016	Graduate 2017	Graduate 2018
N=162	N=124	N=135	N=147
3.48	3.51	3.35	3.41

Average of items from Table 3

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

Table 3

ILO 3: Communication-related questions	Graduate 2015 N=162	Graduate 2016 N=124	Graduate 2017 N=135	Graduate 2018 N=147
7. Through my educational experience at Cañada College, I can speak clearly and effectively to convey an idea or set of facts.	3.31	3.48	3.48	3.39
8. Through my educational experience at Cañada College, I can write clearly and effectively to convey an idea or set of facts.	3.35	3.51	3.51	3.41
9. 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.	3.40	3.45	3.52	3.39
10. Through my educational experience at Cañada College, I can integrate ideas or information from a variety of sources into a document or report.	3.41	3.50	3.54	3.45

ILO 4: Community

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

Mean Score

Graduate 2015	Graduate 2016	Graduate 2017	Graduate 2018
N=162	N=124	N=135	N=146
3.52	3.61	3.49	3.52

Average of items from Table 4

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

Table 4

ILO 4: Community-related questions	Graduate 2015 N=162	Graduate 2016 N=124	Graduate 2017 N=135	Graduate 2018 N=146
11. 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.	3.47	3.60	3.49	3.52
12. Through my educational experience at Cañada College, I can work effectively with diverse groups of people to accomplish a task or solve a problem.	3.54	3.62	3.48	3.50
13. 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.	3.54	3.62	3.51	3.55

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

Graduate 2015	Graduate 2016	Graduate 2017	Graduate 2018
N=162	N=124	N=135	N=146
3.42	3.45	3.31	3.30

Average of items from Table 5

1=Strongly Disagree, 2=Disagree, 3=Agree, 4=Strongly Agree
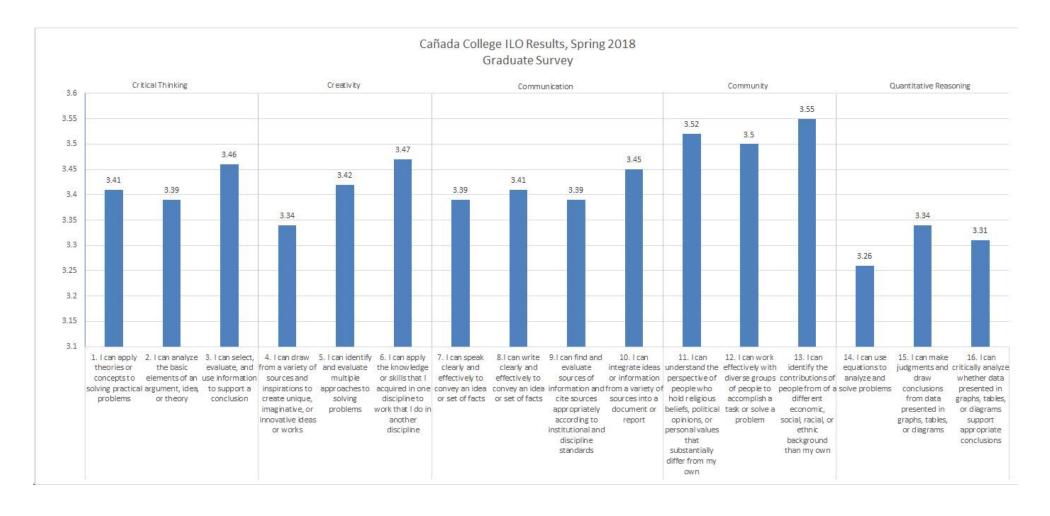
Table 5

ILO 5: Quantitative-related questions	Graduate 2015 N=162	Graduate 2016 N=124	Graduate 2017 N=135	Graduate 2018 N=146
14. Through my educational experience at Cañada College, I can use equations to analyze and solve problems.	3.38	3.37	3.30	3.26
15. Through my educational experience at Cañada College, I can make judgments and draw conclusions from data presented in graphs, tables, or diagrams.	3.46	3.52	3.32	3.34
16. Through my educational experience at Cañada College, I can critically analyze whether data presented in graphs, tables, or diagrams support appropriate conclusions.	3.41	3.46	3.30	3.31

ILO Results

SPRING 2018
TOTAL (N=147)

Cañada College ILO Results, Spring 2018
Graduate Survey