#2

COMPLETE

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Page 1: I. Program Overview and Update

Q1

I.1 Department(s) Reviewed:

Surveying

Q2

1.2 Lead Author

Pat Newman

Q3

I.3 Collaborator(s) - List any person that participated in the preparation of this report

John Butcher, Don Woolley, Edward Brisendine, William Tipple

Q4

I.4 Dean/Manager:

Larry McLemore

Q5

I.5 Program Update: Please summarize the changes, additions, and achievements that have occurred in your program since the last program review was submitted. To access your 2020 program review, visit the Program Review webpage.

•   We are finalizing a surveying apprenticeship. The City of San Diego is partnering with Cuyamaca College for an apprenticeship program through the Strategic Business Advisor with the State's Apprenticeship and Workforce Innovation office.
•   We almost doubled the number of students in the program in one year and increased the number of women in the program from 6% to 22% during that same time.
•   The local chapter of California Land Surveyors Association provides strong support for the program by donating equipment and linking students to job opportunities.
•   At Cuyamaca, the Survey classes are vital to those Engineering students wishing to be Civil Engineers. The Engineering program educates the Surveying students in some aspects of their profession. It is a symbiotic relationship. It works the same way in the job market. In the industry, the Surveying community relies upon Cuyamaca College to keep supplying surveyors through its surveying classes. The next closest program is Mt. San Jacinto – Riverside.

Page 2: II. Assessment and Student Achievement

Q6

II.A.1 Is your program following the assessment plan on file with the SLO Coordinator (or Outcome Assessment Committee)?

Yes, the assessment plan is on file and the program is following the plan

Q7

OPTIONAL: You may upload a copy of your SLO assessment plan for SLOAC here. If you have an Excel sheet, please convert to one of the supported files listed below before submission.

SURV SLO assessment plan.pdf (11.1KB)

Page 3: II. Assessment and Student Achievement

Q8

You indicated either 1) the department assessment plan is on file, but work is needed to update the plan, or 2) the department has no assessment plan on file and/or the program is not currently following assessment planII.A.1a Please describe how your program is adjusting (or developing) its assessment plan to ensure all courses are assessed within the assessment 4-cycle:

Respondent skipped this question

Page 4: II. Assessment and Student Achievement

Q9

II.A.2 Please provide an analysis of your Student Learning Outcomes (SLOs) findings over the past year and what changes, if any, were made as a result. This may include, for example, changes to departmental practices, program improvements, and/or professional development opportunities over the past year. *If the department did not complete assessments during the COVID-19 public health crisis, please note that here and provide additional context.

We did not assess SLOs in Spring 2020 due to COVID-19 with the rapid switch to remote instruction. It was challenging enough for the instructors to finish teaching the 3 Surveying classes without being able to use any surveying equipment. The instructors work full-time in the industry and had never taught online.

Page 5: II. Assessment and Student Achievement

Q10

II.B.1. What progress has been made in your program to address the institutional goals set around student success and equity? (2019 Equity Plan) If qualitative or quantitative data is available, please summarize any findings.

There are no equity gaps in either success or retention for any demographic in this program over the last three years. While not an equity gap in regards to success or retention, it must be noted that this program has a higher percentage of white students. This enrollment trend is mirrored in similar programs, such as CADD, Engineering, and Physics.

Race/Ethnicity	Dept %	Collegewide %
White	59%	38%
Latinx	19%	34%
Middle-eastern	6%	8% (this seems low??)
American Indian	3%	0%
Asian	3%	6%
African-American	0%	6%

Q11

II.B.2 In light of the goals set in your program review, what are your plans to improve equitable student outcomes (success, retention, persistence, graduation, etc.) in the coming year?

We are pleased with our success and retention rates which are above the college averages especially considering that last spring all of the surveying classes moved to remote instruction due to COVID-19. Students could have dropped the classes because they did not get hands-on training with the equipment for the last half of the semester, but we only lost three students. Overall success rate last year for surveying was 86% while the college was 76%. Retention rates for surveying were 92% and the college was 80%. In addition, we recognize the lack of diversity of the students in this program and would like to increase under-represented groups. The department has limited resources and staff to accomplish this. There are only part-time faculty in surveying, and they all have full-time jobs in the industry. They have participated in various outreach events by demonstrating surveying equipment and giving presentations. However, the kind of outreach needed to target specific ethnic groups requires college-wide support and services.

Page 6: II. Assessment and Student Achievement

Q12

No

Do you offer distance education (online) courses?
(excluding emergency remote teaching in 2020)?

Page 7: II. Assessment and Student Achievement

Q13

II.C.1 If there were differences in success rates for distance education (online) versus in-person sections of program courses in your last comprehensive program review, what has the department done to address these disparities? If online and in-person sections had comparable success rates, please describe what the program did to achieve that.

Respondent skipped this question

Q14

II.C.2 What mechanisms are in place to ensure regular and effective contact? For resources, see Cuyamaca Guide to Best Practices in Online Teaching

Respondent skipped this question

Page 8: III. Previous Goals: Update

Q15

Goal 1:

Create apprenticeship program to create opportunities for program graduates

Q16

Goal Status

Completed

Page 9: III. Previous Goals: Update continued

Q17

Please describe the results or explain the reason for deletion/completion of the goal:

The apprenticeship paperwork is being finalized this semester. We will report more on it after we have a student apprentice.

Q18

Do you have another goal to update?

No

Page 10: III. Previous Goals: Update continued

Q19

Action steps for the next year: If you are requesting
resources in order to achieve this goal, please list them
below as action steps and specify the type of request (e.g.
submit technology request for new laptop computers).

Respondent skipped this question

Q20

Do you have another goal to update?

Respondent skipped this question

Page 11: III. Previous Goals: Update continued

Q21

Goal 2:

Respondent skipped this question

Q22

Goal Status

Respondent skipped this question

Page 12: III. Previous Goals: Update continued

Q23

Please describe the results or explain the reason for
deletion/completion of the goal:

Respondent skipped this question

Q24

Do you have another goal to update?

Respondent skipped this question

Page 13: III. Previous Goals: Update continued

Q25

Action steps for the next year: If you are requesting
resources in order to achieve this goal, please list them
below as action steps and specify the type of request (e.g.
submit technology request for new laptop computers).

Respondent skipped this question

Q26

Do you have another goal to update?

Respondent skipped this question

Page 14: III. Previous Goals: Update continued

Q27   **Respondent skipped this question**

Goal 3:

Q28   **Respondent skipped this question**

Goal Status

Page 15: III. Previous Goals: Update continued

Q29   **Respondent skipped this question**

Please describe the results or explain the reason for
deletion/completion of the goal:

Q30   **Respondent skipped this question**

Do you have another goal to update?

Page 16: III. Previous Goals: Update continued

Q31   **Respondent skipped this question**

Action steps for the next year: If you are requesting
resources in order to achieve this goal, please list them
below as action steps and specify the type of request (e.g.
submit technology request for new laptop computers).

Q32   **Respondent skipped this question**

Do you have another goal to update?

Page 17: III. Previous Goals: Update continued

Q33   **Respondent skipped this question**

Goal 4:

Q34   **Respondent skipped this question**

Goal Status

Page 18: III. Previous Goals: Update continued

Q35

Please describe the results or explain the reason for deletion/completion of the goal:

Respondent skipped this question

Page 19: III. Previous Goals: Update continued

Q36

Action steps for the next year: If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g. submit technology request for new laptop computers).

Respondent skipped this question

Page 20: IV. New Goals

Q37

Would you like to propose any new goal(s)?

No

Page 21: IV. New Goals continued

Q38

New Goal 1:

Respondent skipped this question

Q39

Which College Strategic Goal does this department goal most directly support? (Check only one)

Respondent skipped this question

Q40

Please describe how this goal advances the college strategic goal identified above.

Respondent skipped this question

Q41

Please indicate how this goal was informed by SLO (student learning outcome) assessment results, PLO (program learning outcome) assessment results, student achievement data, or other qualitative or quantitative data (from any source):

Respondent skipped this question

Q42

Action steps for this year:If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g. submit technology request for new computer hardware).

Respondent skipped this question

Q43

How will this goal be evaluated?

Respondent skipped this question

Q44

Do you have another new goal?

Respondent skipped this question

Page 22: IV. New Goals continued

Q45

New Goal 2:

Respondent skipped this question

Q46

Which College Strategic Goal does this department goal most directly support?

Respondent skipped this question

Q47

Please describe how this goal advances the college strategic goal identified above.

Respondent skipped this question

Q48

Please indicate how this goal was informed by SLO (student learning outcome) assessment results, PLO (program learning outcome) assessment results, student achievement data, or other qualitative or quantitative data (from any source):

Respondent skipped this question

Q49

Action steps for this year:If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g. submit technology request for new computer hardware).

Respondent skipped this question

Q50

How will this goal be evaluated?

Respondent skipped this question

Q51

Do you have another new goal?

Respondent skipped this question

Page 23: IV. New Goals continued

Q52

New Goal 3:

Respondent skipped this question

Q53

Which College Strategic Goal does this department goal most directly support?

Respondent skipped this question

Q54

Please describe how this goal advances the college strategic goal identified above.

Respondent skipped this question

Q55

Please indicate how this goal was informed by SLO (student learning outcome) assessment results, PLO (program learning outcome) assessment results, student achievement data, or other qualitative or quantitative data (from any source):

Respondent skipped this question

Q56

Action steps for this year:If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g. submit technology request for new computer hardware).

Respondent skipped this question

Q57

How will this goal be evaluated?

Respondent skipped this question

Q58

Do you have another new goal?

Respondent skipped this question

Page 24: IV. New Goals continued

Q59

New Goal 4:

Respondent skipped this question

Q60

Which College Strategic Goal does this department goal most directly support?

Respondent skipped this question

Q61

Please describe how this goal advances the college strategic goal identified above.

Respondent skipped this question

Q62

Please indicate how this goal was informed by SLO (student learning outcome) assessment results, PLO (program learning outcome) assessment results, student achievement data, or other qualitative or quantitative data (from any source):

Respondent skipped this question

Q63

Action steps for this year:If you are requesting resources in order to achieve this goal, please list them below as action steps and specify the type of request (e.g. submit technology request for new computer hardware).

Respondent skipped this question

Q64

How will this goal be evaluated?

Respondent skipped this question

Page 25: V. Resources Needed to Achieve Goal(s)

Q65

What resources is your program requesting this year to achieve the program's goal(s)?

My program is currently not requesting any resources at this time

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Page 27: Final Check

Q66

Are you ready to submit your program review?If you would like to go back and review a section, select a section a click "Next."

I am ready to submit my program review