Annual Program Review Template 2023

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1. Number of full-time faculty in the program.

1

2. Number of part-time faculty in the program.

5

3. Number of staff in the program.

0

4. Do the above numbers reflect any staffing changes?

Yes, Sue Wang retired this last June. The full-time faculty members went from 2 to 1.

5. Refer to the most recent Comprehensive Program Review, what were the identified actions for improvement? Identify any current and/or new Strategic Goals.

Our previous goals included hiring engineering tutors for online and in person tutoring, including more teamwork and team-based assignments in our courses both in person and online, and fostering a sense of community in our courses both in person and online. We have made progress in each of these areas.

A new strategic goal is growth for the program. The engineering department is launching a new Semiconductor Processing Technician program which will need additional instructors. Additionally, Sue Wang's retirement leaves the department without any full-time instructors with an expertise in circuits. A new hire with electrical and computer engineering expertise would be important for filling the content area gap.

6. What actions identified in the Comprehensive Program Review (or most recent Annual Program Review if no Comprehensive Program Review) have you completed this year?

The department has increased the instances of teamwork and team-based assignments in our engineering courses. Members from the department have been meeting monthly to discuss ways to increase a sense of belonging and community for our students in our courses. These meetings have been well attended and have led to fruitful discussions on classroom best practices.

7. Explain your implementation timeline and if there have been any changes or updates.

While great progress has been made, we will continue to hold regular meetings between full and part-time instructors to continue to collaborate on ways to increase teamwork and sense of belonging and community within our classrooms.

8. Explain the evidence the program used to evaluate progress and provide an update on progress.

Evidence includes meeting minutes with share outs and details about practicing the teambuilding and community building classroom exercises. These meetings are planned to continue as even though some progress has been made, there is still more to learn about how to foster a sense of community and teamwork.

9. Click the link and follow the instructions to the Disproportionate Impact dataset, then respond to the prompt below.

https://foothilldeanza-my.sharepoint.com/:b:/g/personal/20078222_fhda_edu/EctjgGNEurtMlb1n6ZQ5k3kBNTEjiE9G_kGSHMhfM1tsrA?e=yDcC7c

Identify the groups that are experiencing a disproportionate impact in the most recent year (highlighted in orange). In the text box below, provide the percentage point gap and the number of additional successes needed to erase the percentage point gap for each group.

At the program level, the data does <u>not</u> indicate any disproportionate impact for Engineering <u>as a program</u>. Drilling down to the course level, ENGR 6 has lower success for not-low income male students (4 and 5 successes needed), Engr 35 has a lower success rate for Latinx students (3 successes needed), and Engr 37 has lower success for male students (6 successes needed). No disproportionate impact was observed in ENGR 10, 11, or 47.

In order to address the success rate gaps, we will continue holding meetings focusing on belonging and teamwork, while incorporating better communication around utilizing the STEM tutoring in the STEM center. A new instructor in ENGR 37 might bring additional perspectives on supporting our students.

10. Use this opportunity to reflect on your responses in this document. Include your closing thoughts.

Overall, the Engineering department at Foothill College is very strong. We have a solid set of course offerings and have been collaborating with industry liaisons in order to establish a new semiconductor program. As a whole, the engineering program does not have disproportionate impact indicators, and we will continue to reduce the success gaps in the courses that have them. With the retirement of Sue Wang, who taught most of her courses in Engineering, we have a need to hire a full-time instructor with electrical and computer engineering areas of expertise.

Click on the link below to view the Annual Program Review Rubric.

https://foothilldeanza-my.sharepoint.com/:w:/g/personal/20078222_fhda_edu/Ec2dqPH1B2RHinzFtnIz6sYB7-DOzW9lv1KkGyWdLuZkbg?e=CIfFMU

This form is completed and ready for acceptance.

Rubric Annual Program Review

Criteria

The program's responses...

- align with the program's goals
- align with data
- are informed by data
- are within the control of the program
- have measurable outcomes

☑   Meets Expectations

☐   Needs Improvement

Feedback

With one of the two full-timers in engineering going to Article 19, it has created some repercussions in workload. The department is in year one of the pilot run for the semi-conductor apprenticeship program, which has been going well. The first cohort started in the fall '23 quarter, and a second cohort is starting in the spring '24 quarter. We have hired two new part-time faculty in engineering to help fill the expertise gaps for the new course of ENGR 101A which is for the apprenticeship program, and will be offered for the first time in spring '24. The department continues to strive towards collaboration and identifying equity gaps and needs though teambuilding meetings.

This form is completed and ready for acceptance.