

# Outcomes Assessment

Student Learning Outcomes and Degree Program Objectives



**CAL POLY**

Construction Management

COLLEGE OF ARCHITECTURE  
& ENVIRONMENTAL DESIGN

## PLO# 2. Create oral communication appropriate to the construction discipline.

### Assessment Measure Summary Results

| Assessment Measure 1: Student Presentation with Rubric |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MEETS TARGET |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Type:                                                  | Direct Measure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |
| Course & Assignment:                                   | CM 413 (Jobsite Construction Management); Tool Box Talk Presentation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |
| Goal:                                                  | 80% of students achieve 50% or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |
| Date(s) of OAM reviews:                                | Fall, Winter, and Spring of AY 2024-2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |
| Results:                                               | 100% of students achieved 50% or better                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |
| Revisions made to instrument:                          | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |
| Actions Taken and Results:                             | <p>At the mid-year review, it was discovered that students have been taking the course and completing the assignment, but data collection and reporting have been inconsistent. When new faculty took over, there was a gap in data collection.</p> <p>To prevent this from happening again, faculty will receive continuous training and reminders during department meetings on how to collect data for outcomes assessment, and will share best practices for collecting and sharing data to avoid future gaps. A shared file has been created to easily identify when data has been collected so data collection can happen timely. Results are now recorded more consistently (starting Fall 2025).</p> |              |
| Recommendations for Improvement:                       | As we transition to semesters, this course will become a course for first years. The assessment is recommended to move to CM 4461 – Senior Project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |

| Assessment Measure 2: Survey – Graduating Seniors |                                                                                                                                                                                                                                                                                                        | GOAL MET |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Type:                                             | Indirect Measure                                                                                                                                                                                                                                                                                       |          |
| Goal:                                             | 80% of students rate their ability as good and above.                                                                                                                                                                                                                                                  |          |
| Dates of OAM reviews:                             | June 2021 (for AY 2020-2021); June 2024 (for AY 2023-2024); June 2025 (for AY 2024-2025); June 2026 (for AY 2025-26)                                                                                                                                                                                   |          |
| Results:                                          | <p>June 2021: 91% of students rated abilities as good or above (n=48)</p> <p>June 2024: 97% of students rated abilities as good or above (n=57)</p> <p>June 2025: 89% of students rated abilities as good or above (n=8)</p> <p>June 2026: 95% of students rated abilities as good or above (n=19)</p> |          |
| Actions Taken:                                    | Student-led senior projects collected qualitative data using focus groups to get additional insights (June 2024 and June 2025).                                                                                                                                                                        |          |
| Recommendations for Improvement:                  | Work with ASCM student club to increase response rates.                                                                                                                                                                                                                                                |          |

| Assessment Measure 3: Survey – Industry Employer |                  | GOAL MET |
|--------------------------------------------------|------------------|----------|
| Type:                                            | Indirect Measure |          |

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|                                  |                                                                                                                                                                                                                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Goal:                            | 50% of employers rate students' abilities as good and above.                                                                                                                                                         |
| Dates of OAM reviews:            | June 2021 (for AY 2020-21); June 2024 (for AY 2023-2024); June 2026 (for AY 2025-2026)                                                                                                                               |
| Results:                         | June 2021: 100% of employers rated abilities as good or above (n=21)<br>June 2024: 100% of employers rated abilities as good or above (n=23)<br>June 2026: 100% of employers rated abilities as good or above (n=30) |
| Actions Taken:                   | Advertising survey at annual CMAC meeting to increase response rate                                                                                                                                                  |
| Recommendations for improvement: | Survey lacks consistent responses; work with CMAC Committee to determine ways to increase response rates.                                                                                                            |

| Assessment Measure 4: AIC Exam   |                                                                                                                                          | GOAL MET |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Type:                            | Indirect Measure (through Fall 2023)                                                                                                     |          |
| Goal:                            | The department's performance is better than the national average.                                                                        |          |
| Dates of OAM review:             | Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023                                                                                |          |
| Results:                         | 100% of students outperformed the national average on each exam (Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023).             |          |
| Actions Taken:                   | None                                                                                                                                     |          |
| Recommendations for Improvement: | After Fall 2023, the AIC exam no longer reports results for this measure; discontinue use of AIC exam as assessment measure for this PLO |          |

### Method of Assessment:

The direct assessment measures students' toolbox talk presentations with a faculty-developed rubric that ensures consistency and fairness.

### Actions taken:

#### Direct Assessment Measure:

The Toolbox Talk assignment has evolved to promote active learning. Students now select their own safety topics, develop a corresponding presentation, and create a two-page handout featuring key information and visuals. This encourages ownership and deeper engagement with the material.

Additionally, presentations are delivered outdoors in a breezeway to better simulate real-world jobsite distractions.

### Discussion:

These enhancements have maintained high student performance while promoting creative thinking and simulating authentic jobsite conditions. Indirect assessment results support continued achievement of this learning outcome.

### Recommendations for Improvement:

With the transition to a semester-based curriculum in Fall 2026, this course will move to students' first year. After reviewing the curriculum map, we recommend considering the Oral Communication assessment for CM 4461 – Senior Project instead. This proposal will be discussed and decided at the Fall 2026 retreat.

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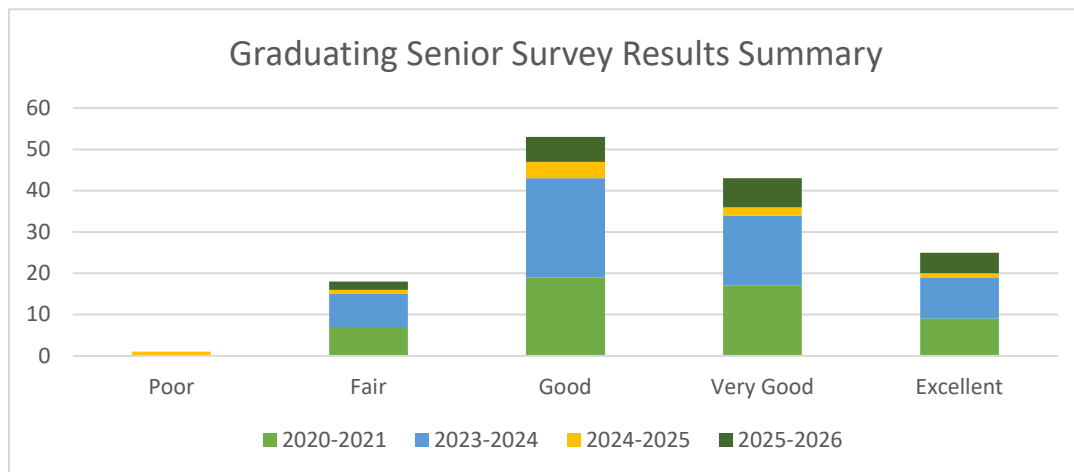
## Additional Data for Outcomes Assessment Measures:

### Assessment Measure 1: Student Presentation with Rubric

| Quarter     | Total number of CM students in class | No. of CM students who completed the presentation | Total number of CM students with 50% or more on the presentation | Percent of students with 50% or more |
|-------------|--------------------------------------|---------------------------------------------------|------------------------------------------------------------------|--------------------------------------|
| Fall 2024   | 27                                   | 27                                                | 27                                                               | 100.00%                              |
| Winter 2025 | 15                                   | 15                                                | 15                                                               | 100.00%                              |
| Winter 2025 | 26                                   | 26                                                | 26                                                               | 100.00%                              |
| Spring 2025 | 28                                   | 28                                                | 28                                                               | 100.00%                              |

### Assessment Measure 2: Survey – Graduating Seniors

| Rating                      | 2020-2021 | 2023-2024 | 2024-2025 | 2025-2026 |
|-----------------------------|-----------|-----------|-----------|-----------|
| Poor                        | 0         | 0         | 0         | 0         |
| Fair                        | 5         | 2         | 1         | 1         |
| Good                        | 10        | 14        | 1         | 2         |
| Very Good                   | 21        | 27        | 5         | 8         |
| Excellent                   | 17        | 16        | 2         | 9         |
| Total Responses             | 53        | 59        | 9         | 20        |
| Total - Good or Better      | 48        | 57        | 8         | 19        |
| Percentage - Good or Better | 91%       | 97%       | 89%       | 95%       |



### Assessment Measure 3: Survey – Industry Employers

| Rating    | 2020-2021 | 2024-2025 | 2025-2026 |
|-----------|-----------|-----------|-----------|
| Poor      | 0         | 0         | 0         |
| Fair      | 0         | 0         | 0         |
| Good      | 2         | 5         | 3         |
| Very Good | 13        | 6         | 11        |
| Excellent | 5         | 6         | 12        |

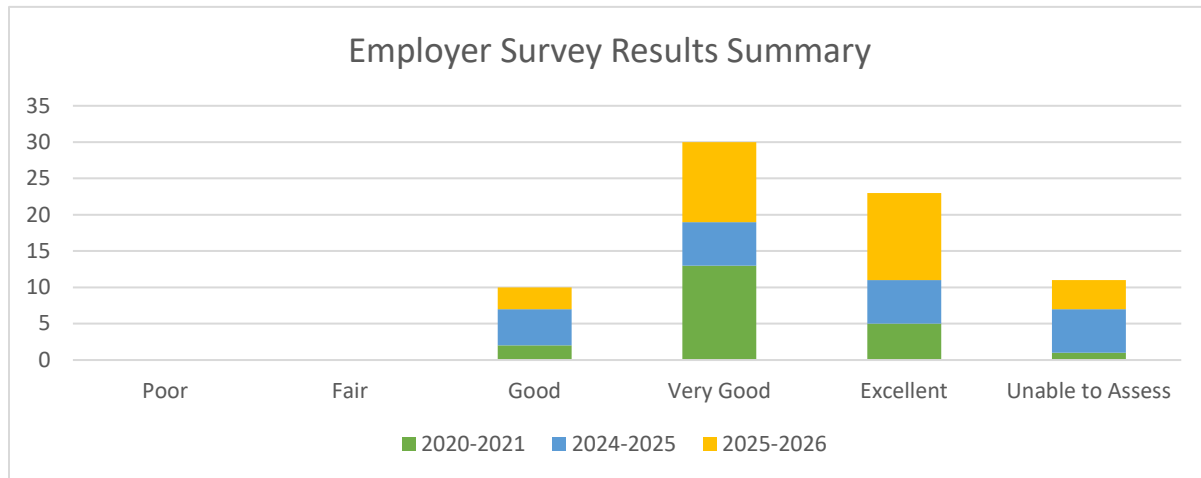
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| Unable to Assess                                                     | 1    | 6    | 4    |
|----------------------------------------------------------------------|------|------|------|
| Total Responses                                                      | 21   | 23   | 30   |
| Total - Good or Better                                               | 20   | 17   | 26   |
| Percentage - Good or Better<br>(excludes unable to assess responses) | 100% | 100% | 100% |



Assessment Measure 4: AIC Exam Results Summary:

*Note: The AIC exam stopped reporting PLO2 results after Fall 2023.*

|                  | Fall 2021 | Spring 2022 | Fall 2022 | Spring 2023 | Fall 2023 | Spring 2024 | Fall 2024 | Spring 2025 | Fall 2025 | Spring 2026 |
|------------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|-----------|-------------|
| School Average   | 79%       | 71%         | 78%       | 79%         | 82%       | 0%          | 0%        | 0%          | 0%        | 0%          |
| National Average | 71%       | 66%         | 71%       | 69%         | 71%       | 0%          | 0%        | 0%          | 0%        | 0%          |

