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Outcome Assessment Timeline

Academic Programs

Construction Inspection

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| **APR /SLO 4-Year Cycle** | **2022-2026** |
| **Course ID** | **Course-Level Student Learning Outcome (CSLO)** | **Measure/Collect Data** | **Discuss & Plan** |
| **CI 10** | Analyze construction documents and prepare a list of discrepancies between the various drawings. (CI 10; ISLO 3) | Spring 2024 | Fall 2025 |
| Analyze a set of construction documents estimate the amount of the various materials required for construction. (CI 10; ISLO 5) | Spring 2024 | Fall 2025 |
| **CI 20** | CI20 SLO #1 Evaluate various heating systems and propose a system that will satisfy the application requirements. | Spring 2024 | Fall 2025 |
| CI20 SLO #2 Using the UMC evaluate a set of mechanical plans for code compliance. | Spring 2024 | Fall 2025 |
| **CI 40** | Assess electrical plans and write correction notices that will withstand a legal test in a court of law. (CI 40; ISLO 2) | Spring 2024 | Fall 2025 |
| Analyze all phases of electrical installations and determine if they comply with the NEC. (CI 40; ISLO 5) | Spring 2024 | Fall 2025 |
| **CI 50** | Explain both orally and in writing the basic responsibilities of the architect, owner, and contractor in a typical owner/contractor agreement. (CIS 50; ISLO 2) | Spring 2024 | Fall 2025 |
| Analyze and interpret construction documents for completeness and accuracy. (CIS 50; ISLO 5) | Spring 2024 | Fall 2025 |
| **CI 60** | Explain the creation and enforcement of building code regulations. (CI 60; ISLO 3) | Spring 2024 | Fall 2025 |
| Evaluate a set of construction documents and determine through formula the allowable building area and height. (CI 60; ISLO 6) | Spring 2024 | Fall 2025 |
| **CI 65** | Analyze construction documents, determine code deficiencies and prepare a written corrective action report. (CI 65; ISLO 2) | Fall 2023 | Fall 2025 |
| Investigate construction documents and calculate the total live and dead loads operating on the horizontal elements of the building. (CI 65; ISLO 5) | Fall 2023 | Fall 2025 |
| **CI 70** | Inspect building construction documents and correctly complete an inspection report. (CI 70; ISLO 2) | Fall 2023 | Fall 2025 |
| Given a set of construction documents, review and interpret the drawing for compliance with code requirements and sound construction practice. (CI 70; ISLO 5) | Fall 2023 | Fall 2025 |
| **CI 80** | CI80 SLO #1 Demonstrate knowledge of soil classification and soil types by written and oral expression. | Fall 2023 | Fall 2025 |
| CI80 SLO #2 Calculate slope stability and determine factor of safety. | Fall 2023 | Fall 2025 |
| **CI 90** | Identify and differentiate between public and private sector construction projects and define the quality control manager's role in each. (CI 90; ISLO 2) | Fall 2023 | Fall 2025 |
| Perform an analysis of construction documents and prepare inspection report forms. (CI 90; ISLO 5) | Fall 2023 | Fall 2025 |
| **CI 105** | Analyze core content by writing brief checklists and one (1) 300 word essay. (CI 105; ISLO 3) | Fall 2023 | Fall 2025 |
| Define and apply the basic green building code standards for a simple residential structure. (CI 105; ISLO 5) | Fall 2023 | Fall 2025 |
| Define in writing the basic elements of a sustainable community. (CI 105; ISLO 7) | Fall 2023 | Fall 2025 |
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|  |  | **Measure/Collect Data** | **Discuss & Plan** |
| **Program** | **Program-Level Student Learning Outcome (PSLO)** |  |  |
| Construction Inspection AS CTE 2880 | Demonstrate an ability to apply problem solving strategies and integrate technical knowledge. | 2022-2026 | Fall 2025 |
| Construction Inspection CA 2882 | Demonstrate the ability to apply problem solving strategies and integrate technical knowledge. | 2022-2026 | Fall 2025 |
| Construction Management AS CTE 2881 | Demonstrate an ability to apply problem solving strategies and integrate technical knowledge. | 2022-2026 | Fall 2025 |
| Construction Management CA 2883 | Demonstrate the ability to apply problem solving strategies and integrate technical knowledge. | 2022-2026 | Fall 2025 |