

UNIVERSITY OF ALASKA FAIRBANKS  
**Student Learning Outcomes Assessment Plan**  
**Construction Management A.A.S. Degree**  
**Community and Technical College**

2023

| Expanded Statement of Institutional Purpose                                                                                                                                                                                                                                                                                                                                                                                                               | Intended Objectives/Outcomes                                                                                                                                                                                                                                                                                                                                                                                       | Assessment Criteria and Procedures                                                                                    | Implementation (what, when, who)                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>MISSION STATEMENT:</b><br><b>The construction management (CM) program prepares students for work as entry level construction managers and provides continuing education for construction employees.</b><br><br><b>GOAL STATEMENT:</b><br><b>Prepare students for employment in a variety of construction project management related positions for construction contractors, professional design firms, project owners, governmental agencies, etc.</b> | 1.Create written communications appropriate to the construction discipline.<br>2.Create a construction project safety plan.<br>3.Create construction project cost estimates.<br>4.Create construction project schedules.                                                                                                                                                                                           | Assessment measured through course embedded assignments, projects, exams, Internship, surveys, and reflection papers. | An annual survey of CM graduates from the previous academic year will be conducted to determine employment in a construction field.<br><br>At the completion of the internship experience, the intern's supervisor will be asked to complete an internship evaluation of the student's competencies. As an indirect measure of student outcomes, the student will be asked to complete an essay explaining what was learned and observed during the internship. |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5.Analyze professional decisions based on ethical principles.<br>6.Analyze construction documents for planning and management of construction processes.<br>7.Analyze methods and materials used to construct projects.<br>8.Apply electronic-based technology to manage the construction process.                                                                                                                 |                                                                                                                       | An annual survey of Certificate graduates will be conducted to determine overall student satisfaction with the program and course work.<br><br>Exam, Assignments and Projects may be developed in various courses as one of the assessment measures for student learning outcomes each semester the course is taught.                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 9.Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process.<br>10.Understand construction risk management.<br>11.Understand construction quality assurance and control.<br>12.Understand the basic principles of structural behavior.<br>13.Understand the basic principles of mechanical and electrical systems. |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

*Submitted by:*

