

**CENTRAL NEW MEXICO COMMUNITY COLLEGE**

**ASSESSMENT REPORT**

*Due to SAAC by September 30*

**PART 1: CONTACT & PROGRAM IDENTIFICATION**

Report Year and Contact Information:			
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<b>Academic Year</b>	<b>Contact Person</b>	<b>Email</b>	<b>Phone Number</b>

Subject of this Assessment Report:		
<b>Program:</b> <u>Construction Management Technologies</u> <input checked="" type="checkbox"/> Certificate <input type="checkbox"/> AA <input type="checkbox"/> AS <input checked="" type="checkbox"/> AAS	<b>Gen Ed Area:</b> _____ Applicable to: <input type="checkbox"/> AA/AS <input type="checkbox"/> AAS	<b>Discipline Area:</b> <u>Construction Management</u>

**PART 2: EVIDENCE OF ACHIEVEMENT OF PROGRAM OUTCOMES**

Summary of Program Success in Achieving Desired Outcomes:
Achievement targets were met in all classes surveyed. Student achievement for the learning outcomes assessed were at expected levels. The first outcome is a fundamental career skill and shows results above targeted levels.

Description and Evaluation of Recent Changes Made in Support of Student Learning:
Increased lab hours continues to show increased student learning.

**PART 3: REPORT ON RECENT ASSESSMENT OF STUDENT LEARNING PROCESSES**

Learning Outcome(s)/Exit Competencies Assessed:	Classes/Cohorts Assessed:
<i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>	

3- Develop a systematic approach to construction cost estimation and project management techniques.	CM 1205 - Computer Aided Construction Drafting/Engineering CM 1220 - Introduction to Construction Project Management CM 1305 - Construction Estimating CM 2205- Construction Surveying
4 - Illustrate proficiency in the use of computers and construction related software for estimating, project management, and basic office communication.	CM1105- Construction Detailing CM1110- Materials and Techniques CM 2105 - Construction Scheduling

Measurement Tool(s) Used:	<i>Enter X's for type of tool</i>				Initial Achievement Target or Expectation:
	Internal	External	Direct	Indirect	
<i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>					
SLO #3 Quizzes, Exams, Homework, Projects	X		X		Mean of measurement tools score of <75%
SLO #4 Quizzes, Exams, Homework, Projects	X		X		Mean of measurement tools score of <75%

Assessment Results/Findings:
<p>SLO #3</p> <p>CM1205 Mean measurement score of 88%</p> <p>CM1220 Mean measurement score of 88%</p> <p>CM1305 Mean measurement score of 88%</p> <p>CM2205 Mean measurement score of 83%</p> <p>SLO #4</p> <p>CM1105 Mean measurement score of 83%</p> <p>CM1110 Mean measurement score of 87%</p> <p>CM2105 Mean measurement score of 86%</p>

**Analysis and Interpretation of Assessment Results/Findings:**

Some courses used to assess SLO do not have relevance for assessing those outcomes. CM1205 and CM2205 have no relevance for assessing SLO #3 and CM1105 and CM1110 may only have limited relevance for assessing SLO #4. Removing these courses from the analysis still shows targets were met.

**Action Plan in Support of Student Learning:**

Program accreditation criteria are changing to student learning outcome based assessment as well as requiring direct/indirect external assessment of SLOs. Assessment Cycle Plan should be revised to reflect these changes. See below for further recommendations.

**Recommendations, Proposals, and/or Funding Requests:**

Program accreditation changes provides an opportunity to undertake a comprehensive review of program exit competencies, program assessment cycle plan, and mapping of student learning outcomes to curriculum. The program's Strategic Plan and objectives should be reviewed and considered as part of the revised assessment and evaluation plan.

**PART 4: EMBEDDED OUTCOMES****Critical Thinking and Life Skills/Teamwork Development within Programs:**

- a) Please describe how Critical Thinking assessment is embedded within your program assessment.
- b) Please describe how Life Skills/Teamwork assessment is embedded within your program assessment.

a) Over 24 credit hours of the Construction Management Technology program are in theory/lab classes. Knowledge acquired through lecture are applied completing estimating, scheduling, and construction management problems and projects. Assessment is done by evaluating their ability to apply appropriate knowledge, skills, and processes to resolve problems and complete assigned projects.

b) Students in the Construction Management Technology program are routinely assigned group, collaborative, and individual assignments and projects. An assessment component of these assignments includes an evaluation of how the students demonstrate a positive work ethic, appropriate professional behavior, time management, and effective communicate skills.

**PART 5: ASSESSMENT CYCLE PLAN (Copy and paste from original plan if unchanged)****Plan Description:**

Construction Management Technology AAS program has five student learning outcomes. One outcome is scheduled to be assessed each year. Per the Assessment cycle SLO #3 was assessed along with SLO #2.

Student Learning Outcomes/Exit Competencies:	When Measured:	Where Measured:	How Measured:
1. Demonstrate knowledge and skills in basic business management and organization. (Degree only)	Fall and Spring Term Year 1	CM 2210 - General Contractor Preparation CM 2999 - Construction Management Capstone Course	Direct Internal – Quizzes, Exams, Homework, Projects
2. Demonstrate a firm understanding of how to read and interpret residential, commercial, and civil drawings and specifications.	Fall and Spring Term Year 2	CM 1105 - Construction Detailing CM 1205 - Computer Aided Construction Drafting/Engineering CM1210- Mechanical and Electrical Systems Construction CM 2999 - Construction Management Capstone Course	Direct Internal – Quizzes, Exams, Homework, Projects
3. Develop a systematic approach to construction cost estimation and project management techniques.	Fall and Spring Term Year 3	CM 1205 - Computer Aided Construction Drafting/Engineering CM 1220 - Introduction to Construction Project Management CM 1305 - Construction Estimating CM2205- Construction Surveying CM 2999 - Construction Management Capstone Course	Direct Internal – Quizzes, Exams, Homework, Projects

<p>4. Illustrate proficiency in the use of computers and construction related software for estimating, project management, and basic office communication.</p>	<p>Fall and Spring Term Year 4</p>	<p>CM1105- Construction Detailing  CM1110- Materials and Techniques  CM 2105 - Construction Scheduling  CM 2115 - Computerized Estimating Techniques</p>	<p>Direct Internal – Quizzes, Exams, Homework, Projects</p>
<p>5. Apply relevant communication skills, project teamwork, and problem solving techniques in the construction industry work environment. (Degree only)</p>	<p>Fall and Spring Term Year 5</p>	<p>CM1110- Materials and Techniques  CM1115- Commercial Construction Theory  CM1215- Construction Equipment and Methods</p>	<p>Direct Internal – Quizzes, Exams, Papers, Homework, Projects, Presentations.</p>
<p>6.</p>			
<p>7.</p>			
<p>8.</p>			
<p>9.</p>			
<p>10.</p>			