CENTRAL NEW MEXICO COMMUNITY COLLEGE
ASSESSMENT REPORT
Due to SAAC by October 15

PART 1: CONTACT & PROGRAM IDENTIFICATION

Report Year and Contact Information			
2016-2017	Eric Barros	ebarros@cnm.edu	224-4000 ext. 52949
Academic Year	**Contact Person**	**Email**	**Phone Number**

Subject of this Assessment Report		
Program: Third Term Electrical Certificate of completion	**Gen Ed Area:**	**Non-Award, Non-Gen-Ed Discipline Area**:
[x] Certificate [ ] AA [ ] AS [ ] AAS	Applicable to: [ ] AA/AS [ ] AAS	

PART 2: THE YEAR IN RETROSPECT

Program/Area Highlights (Including, wherever applicable, course completion, job placement, and licensing examination information)
The average score achieved on the final exam has increased since switching to competency based lab projects. I have noted that three students from my class where hired in part based on their completion of the course work in my class.

Changes Made in Support of Student Learning
Continued improvements to competency based lab projects based on industry partner feedback.

PART 3: REPORT ON RECENT ASSESSMENT OF STUDENT LEARNING

Student Learning Outcome(s) Assessed *To add rows: right –click in cell below and select "Insert," "Insert Rows Above"*	**Classes/Cohorts Assessed**
Students will design and install relevant motor control systems in accordance with the National Electrical Code and current industry standards.	ELTR 2020

Measurement Tool(s) Used *To add rows: right –click in cell below and select "Insert," "Insert Rows Above"*	*Enter X's for type of tool*				Initial Achievement Target or Expectation
	Internal	External	Direct	Indirect	
ELTR 2020 in class projects	x		x		100% competency demonstrated in electrical lab.
ELTR 2020 Final exam	x		x		80% or better on the final exam.

Assessment Findings

During the last cycle it became apparent that the average final exam score increased to just over 80%. The final assessment (exam) consists of three parts including a practical wiring project where the students first have to produce an electrical motor control diagram and then actually wire a working version of their own diagram, and also a written portion consisting of relevant theory and electrical code questions along with a practical essay. Competency in the classroom is translating directly to competency on the job.

Analysis and Interpretation of Assessment Findings

In order to pass the course all students need to demonstrate 100% competency in the lab projects. Lab projects consists of the students utilizing relevant information form the morning theory classes and applying that information to practical motor control wiring projects in the only Motor Control lab in the state. The assessment of these lab projects is in direct alignment with the final assessment. The students are assessed based on their ability to interpret a motor control diagram and then wire the sais project up in a timely and effective manner. This has translated into students who are not only more likely to obtain a job after graduation, but they are also able to keep their jobs more readily.

Action Plan in Support of Student Learning

To identify students who are struggling as early in the term as possible in an effort to encourage the individuals to make positive changes regarding their academic strategy. Students enrolled in the trade programs usually excel in lab but struggle during lecture based classes. More emphasis will be placed on reinforcing SLO's from the theory classes during the associated labs to increase student success.

Please indicate with an X all of the following that characterize the types of changes described in the above action plan:

☐ Pedagogical change	☐ Course revision	☒ Process revision	☐ Curricular revision
☐ Budgetary reallocation	☐ Faculty training/development	☒ Assessment criteria revision	☒ Assessment methodology revision

Recommendations, Proposals, and/or Funding Requests

PART 4: ASSESSMENT CYCLE PLAN UPDATE (Copy and paste from original plan if unchanged)

Cycle Years	**Description of Changes Made** (if applicable)
2017-2018	N/A

Student Learning Outcomes	**When Measured**	**Where Measured**	**How Measured**
1. Students will demonstrate the ability to design and safely install electrical motor branch and feeder circuits in accordance with the National Electrical Code.	Fall 2017	Classroom/Lab	Exam, assignments, projects
2. Students will design and install relevant motor control systems in accordance with the National Electrical Code and current industry standards.	Spring 2018	Classroom/Lab	Exam, assignments, projects
3.			
4.			
5.			
6.			
7.			
8.			