

CENTRAL NEW MEXICO COMMUNITY COLLEGE
ASSESSMENT REPORT
Due to SAAC by September 30

PART 1: CONTACT & PROGRAM IDENTIFICATION

Report Year and Contact Information:			
2014 – 2015 Academic Year	Erica Voges Contact Person	evoges@cnm.edu Email	X52680 Phone Number

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

PART 2: EVIDENCE OF ACHIEVEMENT OF PROGRAM OUTCOMES

Summary of Program Success in Achieving Desired Outcomes:
With three of the four Physics faculty being new, we have decided to begin fresh with a new assessment plan. As such, we have no current results, but have established our 5-year cycle plans and will begin collecting data in Spring 2015.

Description and Evaluation of Recent Changes Made in Support of Student Learning:
N/A

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> N/A	

Measurement Tool(s) Used:	Enter X's for type of tool				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>					
N/A					

Assessment Results/Findings:
N/A

Analysis and Interpretation of Assessment Results/Findings:
N/A

Action Plan in Support of Student Learning:
Begin assessment in Spring 2015, analyze results, and consider any appropriate changes to curriculum.

Recommendations, Proposals, and/or Funding Requests:
N/A

PART 4: EMBEDDED OUTCOMES

Critical Thinking and Life Skills/Teamwork Development within Programs:
<ul style="list-style-type: none"> 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) Critical thinking is employed when formulating and solving physics problems and when conducting experiments and analyzing data (SLOs 2 and 4).
b) Four of the SLOs will be assessed in physics laboratory courses, which require teamwork.

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

Plan Description:
The goal is to assess each of the eight Physics outcomes over the course of the next five years. These outcomes will be assessed in calculus-based physics lectures and labs.

Student Learning Outcomes/Exit Competencies:	When Measured:	Where Measured:	How Measured:
1. Apply knowledge of physics and Mathematics.	Fall 14 – Spring 16	PHYS 1810	To be determined
2. Identify, formulate and solve Physics problems.	Fall 16 – Spring 18	PHYS 1710	Final Exam question
3. Demonstrate an ability to utilize basic laboratory equipment.	Fall 18 – Spring 20	PHYS 1892	Midterm Exam question
4. Conduct experiments, analyze and interpret data	Fall 18 – Spring 20	PHYS 1792	To be determined
5. Students should be able to communicate effectively about scientific ideas and topics, in both oral and written formats.	Fall 20 – Spring 22	PHYS 1892	To be determined
6. Collaborate with peers in a laboratory setting.	Fall 14 – Spring 16	PHYS 1892	Final Project presentation
7. Recognize/identify professional responsibility	Fall 16 – Spring 18	PHYS 2710	To be determined
8. Recognize/identify the impact of the application of physics in a global, environmental and societal context	Fall 18 – Spring 20	PHYS 2710	To be determined