

CENTRAL NEW MEXICO COMMUNITY COLLEGE

ASSESSMENT REPORT

Due to SAAC by September 30

PART 1: CONTACT & PROGRAM IDENTIFICATION

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

Subject of this Assessment Report:		
Program: _____ <input type="checkbox"/> Certificate <input type="checkbox"/> AA <input type="checkbox"/> AS <input type="checkbox"/> AAS	Gen Ed Area: <u>Area III – Lab Sciences</u> Applicable to: <input checked="" 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) The first SLO directly relates to critical thinking: Employ critical thinking skills to judge the validity of information from a scientific perspective. Critical thinking is also employed when applying the scientific method, analyzing data, and solving scientific problems (SLOs 2 and 4).
b) Three 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 six Lab Science Gen Ed outcomes over the course of the next five years. These outcomes will be assessed in conceptual and algebra-based physics lectures and labs, as well as an introductory astronomy lecture and lab.

Student Learning Outcomes/Exit Competencies:	When Measured:	Where Measured:	How Measured:
1. Employ critical thinking skills to judge the validity of information from scientific perspective.	Fall 20 – Spring 22	PHYS 1010	To be determined
2. Apply the scientific method to formulate questions, analyze information/data, and draw conclusions.	Fall 18 – Spring 20	PHYS 1092, ASTR 1192	To be determined
3. Properly operate laboratory equipment to collect relevant and quality data.	Fall 18 – Spring 20	PHYS 1692	To be determined
4. Utilize mathematical techniques to evaluate and solve scientific problems.	Fall 14 - Spring 16 Fall 16 – Spring 18	PHYS 1510 ASTR 1110	Final Exam question
5. Communicate effectively about scientific ideas and topic, in both oral and written formats	Fall 20 – Spring 22	PHYS 1692	To be determined
6. Relate science to personal, social, or global impact.	Fall 16 – Spring 18	PHYS 1010	To be determined