

**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	Ronald Forstbauer	rforstbauer@cnm.edu	224-4000 x50912
<b>Academic Year</b>	<b>Contact Person</b>	<b>Email</b>	<b>Phone Number</b>

Subject of this Assessment Report		
<b>Program:</b> <u>Surveying Engineering</u>  <input type="checkbox"/> Certificate <input type="checkbox"/> AA <input checked="" type="checkbox"/> AS <input type="checkbox"/> AAS	<b>Gen Ed Area:</b> _____  Applicable to: <input type="checkbox"/> AA/AS <input type="checkbox"/> AAS	<b>Non-Award, Non-Gen-Ed Discipline Area:</b>  _____

**PART 2: THE YEAR IN RETROSPECT**

Program/Area Highlights (Including, wherever applicable, course completion, job placement, and licensing examination information)
In Summer 2017 5 students seeking part-time employment in the industry found it. There are more opportunities than there are students to fill them. Our student team took first place at the National Society of Professional Surveyors 2017 national surveying competition.

Changes Made in Support of Student Learning

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

Student Learning Outcome(s) Assessed	Classes/Cohorts Assessed
<i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>	
Demonstrate an understanding of basic surveying equipment and field procedures.	CM 2205, SUR 2002 (formerly SUR 1017)

Measurement Tool(s) Used <i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>	Enter X's for type of tool				Initial Achievement Target or Expectation
	Internal	External	Direct	Indirect	
The following measurement tools will be used to assess the SLO: Demonstrate an understanding of basic surveying equipment and field procedures.					
Project	X		X		Target grade of 85% or better
Midterm	X		X		Target grade of 80% or better
Final	X		X		Target grade of 80% or better

Assessment Findings				
Project	29	students met the target	6	students did not meet the target
Midterm	30	students met the target	5	students did not meet the target
Final	25	students met the target	10	students did not meet the target

Analysis and Interpretation of Assessment Findings
<p>I found that the grades for the project met the target with 83%. The grades for the midterm met the target with 86%.</p> <p>The final findings include 4 students who stopped coming to class and did not take the final. If the 4 students are omitted, the grades for the final met the target with 81%.</p> <p>The target grades that were met indicate that the goals are realistic.</p>

Action Plan in Support of Student Learning
While all of the targets were met I will continue to emphasize the importance of having exercises and assignments completed on time.

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

<b>Recommendations, Proposals, and/or Funding Requests</b>

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

Cycle Years	Description of Changes Made (if applicable)
2014-2019	This is a new Assessment Cycle Plan. The student learning outcomes have been revised from the 2011-2012 Assessment Cycle Plan to be program specific.

Student Learning Outcomes	When Measured	Where Measured	How Measured
1. Employ mathematical principles to perform surveying calculations.	Fall 2015, Spring 2016	SUR 1002, SUR 1017, CM 2205	Project, Midterm, Field Book, Final
2. Demonstrate an understanding of basic surveying equipment and field procedures.	Fall 2016, Spring 2017	CM 2205, SUR 1017	Project, Midterm, Field Book, Final, National Surveying Technician Certification Exam
3. Apply the legal and ethical basis of surveying principals.	Fall 2017, Spring 2018	SUR 1015, SUR 1017, CM 2205	Project, Midterm, Final, National Surveying Technician Certification Exam
4. Identify, analyze, and solve surveying problems.	Fall 2018, Spring 2019	CM 2205, SUR 1017	Project, Midterm, Field Book, Final, National Surveying Technician Certification Exam
5. Apply basic surveying practices and procedures.	Fall 2019, Spring 2020	SUR 1001, CM 2205	Project, Midterm, Field Book, Final
6.			
7.		Note: SUR 1017 has been replaced by SUR 2002	Note: Project, Midterm, Field Book, Final are direct, internal

8.			
9.			
10.			