

**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 <b>Academic Year</b>	Paul Clark <b>Contact Person</b>	paulc@cnm.edu <b>Email</b>	 <b>Phone Number</b>

Subject of this Assessment Report		
<b>Program:</b> Web Programming  <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>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)
<p>For the fiscal year 2016-17, of the 1,226 students with CIS declared major, 122 earned their degree. The course retention rate for all CIS was 86%.</p> <p>2016 Spring 4 graduates</p> <p>2016 Summer 4 graduates</p> <p>2017 Spring 5 graduates</p>

Changes Made in Support of Student Learning
<p>Continued development of the Internet Sandbox infrastructure. The sandbox provides a safe model of the Internet for students to practice any protocol or server administration task. There is potential to disrupt the school network with misconfigured nameservers and other Internet services outside the sandbox. In the sandbox each student is supplied a virtual server for each class. Each student publishes websites under their unique domain name. All curriculum topics of server administration and configuration are safely practiced within the sandbox.</p>

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

<b>Student Learning Outcome(s) Assessed</b> <i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>	<b>Classes/Cohorts Assessed</b>
Use a CMS to publish documents and manage a website	CIS 1713

<b>Measurement Tool(s) Used</b> <i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>	<i>Enter X's for type of tool</i>				<b>Initial Achievement Target or Expectation</b>
	<b>Internal</b>	<b>External</b>	<b>Direct</b>	<b>Indirect</b>	
Project Evaluation	x		x		90%

<b>Assessment Findings</b>
<p>2016 Spring: 14 Pass, 2 Fail</p> <p>2016 Summer: 17 Pass, 2 Fail</p> <p>2016 Fall: 25 Pass, 6 Fail</p> <p>2017 Spring: 36 Pass, 0 Fail</p> <p>2017 Summer: 19 Pass, 3 Fail</p> <p>Overall:</p> <p>111 Pass, 13 Fail</p> <p>88% Pass</p> <p>For Linux report, Overall, students who took CIS 1680 have;</p> <p>TestOut Linux Pro Exam Pass Rate</p> <p><b>CNM</b> ..... <b>77.42%</b></p> <p><b>National (All US)</b> ..... <b>72.74%</b></p>

**Analysis and Interpretation of Assessment Findings**

Online instruction is popular with the students as evidenced by the enrollment. Blended format where students are required to schedule periodic meetings with the instructor increase the interaction between student and instructor and help with success.

**Action Plan in Support of Student Learning**

Noticed that some students struggled with the report format of the final project so modified the midterm to mirror the final.

*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**

Plan to implement the Internet Sandbox in a supported data center. Management of the data center will be coordinated with other computer related instructional programs and with the school's Information Technology Services. Other programs will develop curriculum using virtual machines within the datacenter.

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

Cycle Years	Description of Changes Made (if applicable)
	First SAAC report for this program

Student Learning Outcomes	When Measured	Where Measured	How Measured
1. Use a CMS to publish documents and manage a website	2016-2017	CIS 1713	Assignments to develop a website in a content management system Assignments to follow best publishing practices for search visibility Assignments to create menus in the CMS Assignments to choose and install themes in the CMS Assignments to choose and install plugins

			in the CMS
2. Use programming to extend the functionality and control look and layout of content management systems	2017-2018	CIS 1730, CIS 1750, CIS 2763, CIS2999	<p>Assignments to program new plugins for a CMS</p> <p>Assignments to create new themes for a CMS</p>
3. Describe the operating system, web server, programming, database, HTML, CSS, and web browser technology	2018-2019	CIS 1715	<p>Assignments to demonstrate proficiency in transferring files between local and remote networked computers</p> <p>Assignments to explain organization and operation of web servers</p> <p>Assignments to identify interactions between web servers and web browsers</p> <p>Assignments to program interaction between databases and web page content</p> <p>Assignments to demonstrate HTML and CSS web page markup for responsive display in web browsers</p>