

**ASSESSMENT REPORT
CENTRAL NEW MEXICO COMMUNITY COLLEGE**

The purpose of this form is to provide a written summary of your assessment results for the current assessment cycle.

Fall, 2011 – Spring 2012
(Assessment Period Covered)

June 20, 2012
(Date Report Submitted)

See definitions for each category in Assessment Process document

Gen Ed Area (see definitions)	Computer Information Systems	Program	Web Technology Concentration
AA/AS	<input type="checkbox"/>	Certificate	<input type="checkbox"/>
AAS	<input type="checkbox"/>	AA/AS	<input type="checkbox"/>
		AAS	<input checked="" type="checkbox"/>
Outcome(s) Assessed			
<p>1. Demonstrate effective techniques in publishing Web sites: Students will be given class projects to demonstrate proficiency in creating and navigating files and folders/subfolders on local and remote computers in various classes in the program (CIS1713, CIS1715, CIS1730, and CIS2740).</p> <p>2. Create standards compliant XHTML Web Pages: Students will be given class projects to demonstrate proficiency in creating well formed, valid and standards compliant web pages in capstone projects. Students will be given a capstone project to demonstrate proficiency in creating web pages with properly validated inline, embedded and external style sheets (CIS2999).</p> <p>6. Linux: Students will demonstrate how to install, configure, create user accounts, issue correct commands and options, and perform standard network administration (CIS1680).</p>			
Classes/Cohort Assessed:			
<p>Outcome 1: This has embedded assessment throughout the program (CIS1713, CIS1715, CIS1730, and CIS2740). The goal is to have 75% of our students achieving a “B” or better on these class projects.</p> <p>Outcome 2: CIS Web Technology students were assessed in their final semester via the CIS 2999 Capstone course.</p> <p>Outcome 6: All CIS concentrations which require Linux in their program, will report Linux assessment results. This assessment information reflects all CIS students who take the Linux course.</p>			
Measurement tool(s):			
<p>Outcome 1: This has embedded assessment throughout the program (CIS1713, CIS1715, CIS1730, and CIS2740). This outcome is a component of every web page published in the program.</p>			

Outcome 2: As part of their Capstone Project, students were required demonstrate that they could create multiple Web pages that passed validation using the W3C XHTML validator. In order to evaluate these outcomes, we evaluated the six items below.

Outcome 6: All CIS concentrations which require Linux in their program, will report Linux assessment results. This assessment information reflects all CIS students who take the Linux course.

Type of tool (for each tool listed above, indicate type of tool):

Outcomes 1 and 2: All outcomes will be assessed using projects that are both direct and internal.

Outcome 6: (Linux) Direct (individual student performance) using an Internal tool (debugging exams created by full-time network faculty.)

Achievement Target (if more than one measurement tool, list target for each tool separately):

Outcome 1: The goal is to have 75% of our students achieving a "B" or better on these class projects.

Outcomes 2: The goal is to have 75% of our students achieving a "2" or better.

The Web Technology exit competencies (from capstone project) are evaluated using a Rubrics with a scale:

3 = Excellent (Work reflects comprehensive treatment of skills – Meets all expectations)

2 = Satisfactory (Work reflects some application of skills – Meets most expectations)

1 = Unsatisfactory (Work does not reflect adequate application of skills – Does not meet expectations)

0 = Component not found

Outcome 6: Several CIS concentrations incorporate the Linux course in its area of studies. Our achievement target for all Linux students (for all concentrations requiring this course) is 80%+ on the assessment skills exam for 75% of our students.

Assessment Results/Findings (if more than one measurement tool, list results for each tool separately):

Outcome 1: A total of 161 students in the five designated classes have performed at the levels shown below. We are finding that 79% of our students are meeting our established goal.

	# of Students	# of Students > 81%	% Successful
CIS1713	59	46	78%
CIS1715	38	32	84%
CIS1730	11	9	82%
CIS1750	29	21	72%
CIS2740	24	19	79%
Totals	161	127	79%

Students are being assessed during the program via class projects where they were asked to demonstrate effective techniques in publishing web pages in CIS 1713 XHTML Complete, CIS1715 Overview of Web Technologies, CIS 1730 Web Programming/JavaScript, CIS 1750 Web Programming PHP, CIS 2740 Cascading Style Sheets.

Outcome 2: A total of 9 Web Technology students completed the Web Technology assessment activities in the Capstone course in Fall, 2011 and Spring 2012. Here are the results.

Student demonstrates competence in:

XHTML	Possible	Average
Effective use of tables	3	3
Effective use of forms	3	3
Effective Web Page Layout	3	3
Web Standards compliant web pages	3	2.9
Proper use of DTD on all pages	3	3
Web pages validated as XHTML Strict	3	2.9

Outcome 6: Linux Results

A total of 109 students took the Linux skills exam. This encompasses 7 of the 8 sections (1 section the instructor did not give the exam).

SUCCESS SCORE	RAW TOTAL (OUT OF 109)	%
EXCELLENT 90-100 4	60	55.05
GOOD 80-89 3	18	16.51
FAIR 70-70 2	14	12.84
POOR 69 OR LESS	17	15.60
TOTAL SCORES 3 +	78/109	71.56

Meet target of 80%, score of 3 or 4 for 75% of our students? No.

Action Plan (close the loop):

Based on the results of the classroom assessments, students perform well when creating standards compliant Web pages. These classroom results were validated by their performance on their capstone projects. The biggest anomaly is the number of failures in the CIS 1750 Web Programming/PHP class. This is one of the most difficult and challenging of all the Web Technology classes as it involve high level programming and database skills. Also, it was offered only as a Distance Learning class.

Action Plan:

1. Offer CIS 1750 sections in a traditional classroom format
2. If offered as a DL class, make effort to ensure that students a adequately prepared to take the class in a Distance Learning format
3. Make sure that students have completed the needed prerequisites before enrolling in CIS 1750.

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