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, 2012 – Spring 2013

(Assessment Period Covered)

June 19, 2013

(Date Report Submitted)

Choose ONE of the following 3 areas for this assessment report and insert the name of the general education area, certificate, degree or discipline on the appropriate line:

See definitions for each category in Assessment Process document

Gen Ed Area (see definitions) _____ **or** **Program** Computer Information Systems, Network Administration Concentration

AA/AS ☐
AAS

Certificate
AA/AS
AAS ☒

Or Discipline Area (see definitions) _____

Outcome(s) assessed:

1. Use network protocol models to explain the layers of communications in data networks.

2. Employ basic cabling and network designs to connect devices in accordance with stated objectives.

3. Develop a logical diagram and translate it to a physical implementation.

4 Demonstrate network mathematical literacy both in theory and application as it applies to networks.

5 Design, address, construct and test LANs containing multiple VLANs as well as wireless devices.

6 Design, address, construct and test WAN topologies selecting from current networking technologies

7 Demonstrate the practical application of skills needed to design, implement, and support network security.

8 Demonstrate problem solving ability with data networks.

9 Linux: Students will demonstrate how to install, configure, create user accounts, issue correct commands and options, and perform standard network administration.

Type of tool (for each tool listed above, indicate type of tool):
Outcomes 1-8 CIS Network Administration students were assessed in their final semester via the CIS 2999 Capstone course.

Outcome 9: 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.

BOB,DESCRIBE THIS WHAT YOU DID for each of the outcomes 1-8   ?????
 Students were assessed via two different methods in their Capstone Project:
1) The student was assigned a skills test in which they have to simulate a company with complex network requirements. The student has to design the network, select the appropriate devices, connect and configure them, and demonstrate to the instructor that it functions correctly. DIRECT methods were used to assess student performance. (1-8)
2) The second part of the Capstone project required the student to complete a comprehensive written exam that fairly measures their comprehension and preparedness to complete an industry recognized certification exam. EXTERNAL methods were used to assess student performance.

THIS IS WHAT WE NEED FOR THE LINUX STUFF

Outcome 9: (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):

Outcomes 1-8: The Network Administration exit competencies are evaluated using a Rubrics with a scale of 4=excellent, 3=good, 2=fair and 1=poor. We believe a score of 3+ for 75% of our students represents success in accomplishing our goals.

Outcomes 9: 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.

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

Outcomes 1-8: A total of 40 Network Administration students completed the Network Administration assessment activities in the Capstone course in Fall, 2012 and Spring 2013. Here are the results.

SCORE	COMP 1 Protocols	COMP 2 Design	COMP 3 Document	COMP 4 Net Math	COMP 5 LAN VLANs	COMP 6 WANs	COMP 7 Security	COMP 8 Trouble Shooting
4	9	7	10	10	5	5	6	7
3.5	9	8	7	5	7	7	5	5
3	15	16	14	16	19	19	19	18
2.5	5	7	7	7	7	7	7	8
2.0	2	2	2	2	2	2	3	2
1.0								

Using the Achievement Target of 3+ criteria for 75% of our students, the raw data is:

SCORE	COMP 1 Protocols	COMP 2 Design	COMP 3 Document	COMP 4 Net Math	COMP 5 LAN VLANs	COMP 6 WANs	COMP 7 Security	COMP 8 Trouble Shooting
3+	33	31	31	31	31	31	30	30
<3	7	9	9	9	9	9	10	10
Meet Target3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Outcome 7: Linux Results

A total of 131 students took the Linux skills exam.

SUCCESS SCORE	RAW TOTAL (OUT OF 131)	85%
EXCELLENT 90-100 4	88	67%
GOOD 80-89 3	23	18%
FAIR 70-80	5	4%

POOR 69 OR LESS	15	11%
TOTAL SCORES 3 +	131/131	100%

Total above 80%=85%

Action Plan (close the loop):

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AA/AS	☐		Certificate	☐
AAS	☐		AA/AS	☐
			AAS	☒ X
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Outcome 9: Students were assigned a skills exam in which they must configure user/group accounts, identify network configuration metrics, control processes, jobs and services, use system management and graphical user interface utilities, access help resources, use security features and use the terminal to create directories/files and redirect data. DIRECT methods were used to assess student performance.

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

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