

**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)

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, Database Technology Concentration
<p>AA/AS <input type="checkbox"/></p> <p>AAS <input type="checkbox"/></p>		<p>Certificate</p> <p>AA/AS</p> <p>AAS</p>	<p><input type="checkbox"/></p> <p><input type="checkbox"/></p> <p><input checked="" type="checkbox"/></p>
<p>Or Discipline Area (see definitions)</p> <p>_____</p>			

Outcome(s) assessed:

1. Produce an Entity Relationship (ERD) data model with proper terminology and symbols. Produce tables using SQL code with constraints using the ERD model.
2. Produce queries that use: join commands, aggregate and grouping functions, subqueries, DML(insert/update/del), DDL(create/alter)
3. Produce, execute and debug programs from programming specifications that use coding techniques such as: loops, control structures
4. Produce applications (forms, reports, menus) that allow the user to connect to a database server and maintain the data.
5. Install/Maintain MS SQL Server and Produce Enterprise Reporting
6. Linux: Students will demonstrate how to install, configure, create user accounts, issue correct commands and options, and perform standard network administration.

Classes/Cohort Assessed:

Outcomes 1-5 CIS Database Technology students were assessed in their final semester via CIS 2999 Capstone course.

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.

Measurement tool(s):

Outcomes 1-5 were assessed via a portfolio of work created by the students. The students were given a detailed document describing the required database programming topics. The document /portfolio topics were described and requested in order of the competencies. Students created a portfolio and each section addressed and demonstrated database programming concepts.

Outcome 6 was assessed via the CIS 1680 Linux Essentials course. All student taking this course will be assigned a final project that encapsulates the exit competencies for this course.

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

Outcomes 1-5: Direct (individual student performance) as demonstrated by database projects and descriptions created by the students.

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):

Outcomes 1-5: The Database Technology 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 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.

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

Outcomes 1-5: A total of 12 Database Technology students completed the Database Technology assessment activities in the Capstone course in Fall, 2011 and Spring 2012. Here are the results.

	COMP 1	COMP 2	COMP 3	COMP 4	COMP 5
SCORE	ERD	QUERIES	PROGS	APPS	MS SQL server
4	9	8	8	7	8
3.5	1	2	2	3	2
3	2	2	2	2	2
2.5	0	0	0	0	0
2.0	0	0	0	0	0
1.0	0	0	0	0	0

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

	COMP 1	COMP 2	COMP 3	COMP 4	COMP 5	COMP 6
SCORE	ERD	QUERIES	PROGS	APPS	MS SQL server	LINUX
3+	12	12	12	12	12	???
<3	0	0	0	0	0	???
Meet Target?	Yes	Yes	Yes	Yes	Yes	????

Outcomes 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

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):

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Action Plan (close the loop):

The capstone class is when students are to be completing their assigned associate's degree. Most students can be out of practice for a subject they took a few semesters ago. A suggestion would be to make sure students are told to keep all assignments and materials from their CIS classes. Then during the capstone the students can spend more time on the courses and materials that they might have forgotten, with reinforcement from instructors with that particular subject.

The Linux scores were lower than their specialty subject scores, so we need to work on closing the gap. Find out where the weaknesses are and Network Instructors can spend more time on the subjects were the scores are low.