

**CENTRAL NEW MEXICO COMMUNITY COLLEGE**  
**DB ASSESSMENT REPORT**  
*Due to SAAC by October 15*

**PART 1: CONTACT & PROGRAM IDENTIFICATION**

Report Year and Contact Information:			
<u>Fall2014 – Spring2015</u> <b>Academic Year</b>	<u>Brenda Judd</u> <b>Contact Person</b>	<u>bjudd@cnm.edu</u> <b>Email</b>	<u>505-224-3919</u> <b>Phone Number</b>

Subject of this Assessment Report:		
<b>Program:</b> _____  <input 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>Discipline Area:</b>  <u>CIS- Database Technology</u>

**PART 2: EVIDENCE OF OVERALL PROGRAM EFFECTIVENESS**

Summary of Program Successes:
Students must attain a 3+ on Exit Competencies to have desired outcomes

Description and Evaluation of Recent 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>	

<b>Measurement Tool(s) Used:</b>	<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>	
<i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>					
	X				

**Assessment Findings:**

Outcomes 1-5: A total of 7 Database Technology students completed the Database Technology assessment activities in the Capstone course in Fall, 2014 thru Spring 2015. Here are the results.

	<b>COMP 1</b>	<b>COMP 2</b>	<b>COMP 3</b>	<b>COMP 4</b>	<b>COMP 5</b>
<b>SCORE</b>	<b>ERD</b>	<b>QUERIES</b>	<b>PROGS</b>	<b>APPS</b>	<b>MS SQL server</b>
<b>4</b>	3	3	3	3	3
<b>3.5</b>	2	2	2	2	2
<b>3</b>	2	2	2	2	2
<b>2.5</b>	0	0	0	0	0
<b>2.0</b>	0	0	0	0	0
<b>1.0</b>	0	0	0	0	0

**Analysis and Interpretation of Assessment Findings:**

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

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

	<b>COMP 1</b>	<b>COMP 2</b>	<b>COMP 3</b>	<b>COMP 4</b>	<b>COMP 5</b>	<b>COMP 6</b>
<b>SCORE</b>	<b>ERD</b>	<b>QUERIES</b>	<b>PROGS</b>	<b>APPS</b>	<b>MS SQL server</b>	<b>LINUX</b>
<b>3+</b>	7	7	7	7	7	99
<b>&lt;3</b>	0	0	0	0	0	50
<b>Meet Target?</b>	Yes	Yes	Yes	Yes	Yes	No

**Outcome 7: Linux Results**

A total of 139 students took the Linux Skills Exam, this encompasses 9 sections, 3 sections of Fall 2014 and 6 sections of Spring 2015.

SUCCESS SCORE	RAW TOTAL (OUT OF 139)	%
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EXCELLENT 90-100 4	63	45
Good 80-89 3	26	19
FAIR 70-79 2	13	9
POOR 69 OR LESS	37	27
TOTAL SCORES 3+	99	64

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

**Action Plan in Support of Student Learning:**

Continue to add new content to reinforce database concepts and technical skills.

**Recommendations, Proposals, and/or Funding Requests:**

**PART 4: EMBEDDED OUTCOMES**

**Critical Thinking and Life Skills/Teamwork Development within Programs:**

- a) Please describe how Critical Thinking assessment is embedded within your program assessment.
- b) Please describe how Life Skills/Teamwork assessment is embedded within your program assessment.

a) Critical Thinking is involved in all Database courses to be able to implement Business Rules thru Constraints and Programs and developing SQL reports & programs.

b) Students in Database Design and advanced database courses often work on a team and collaborate about Course Projects and Specs.

**PART 5: ASSESSMENT CYCLE PLAN (Copy and paste from original plan if unchanged)**

Cycle Years:	Plan Description:
2014-15	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.

Student Learning Outcomes/Exit Competencies:	When Measured:	Where Measured:	How Measured:
1. Produce an Entity Relationship (ERD) data model with proper terminology and symbols. Produce tables using SQL code with constraints using the ERD model.	2014-15	Capstone Project	Interview Process with their Portfolio
2. Produce queries that use: join commands, aggregate and grouping functions, subqueries, DML(insert/update/del), DDL(create/alter)	2014-15	Capstone Project	Interview Process with their Portfolio
3. Produce, execute and debug programs from programming specifications that use coding techniques such as: loops, control structures	2014-15	Capstone Project	Interview Process with their Portfolio
4. Produce applications (forms, reports, menus) that allow the user to connect to a database server and maintain the data.	2014-15	Capstone Project	Interview Process with their Portfolio
5. Install/Maintain MS SQL Server and Produce Enterprise Reporting	2014-15	Capstone Project	Interview Process with their Portfolio
6. Linux: Students will demonstrate how to install, configure, create user accounts, issue correct commands and options, and perform standard network administration.	2014-15	Capstone Project	Chair adds results to report.