

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

PART 1: CONTACT & PROGRAM IDENTIFICATION

Report Year and Contact Information:			
Fall2015 – Spring2016 Academic Year	Brenda Judd Contact Person	bjudd@cnm.edu Email	505-224-3919 Phone Number

Subject of this Assessment Report:		
Program: CIS- Database Technology <input type="checkbox"/> Certificate <input type="checkbox"/> AA <input type="checkbox"/> AS <input checked="" type="checkbox"/> AAS	Gen Ed Area: _____ Applicable to: <input type="checkbox"/> AA/AS <input type="checkbox"/> AAS	Discipline Area: _____

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:
To add rows: right-click in cell below and select "Insert," "Insert Rows Above"	

Measurement Tool(s) Used:	<i>Enter X's for type of tool</i>				Initial Achievement Target or Expectation:
	Internal	External	Direct	Indirect	
<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, 2015 thru Spring 2016. Here are the results.

	COMP 1	COMP 2	COMP 3	COMP 4	COMP 5
SCORE	ERD	QUERIES	PROGS	APPS	MS SQL server
4	4	4	4	4	4
3.5	2	2	2	2	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

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:

	COMP 1	COMP 2	COMP 3	COMP 4	COMP 5	COMP 6
SCORE	ERD	QUERIES	PROGS	APPS	MS SQL server	LINUX
3+	8	8	8	8	8	attached
<3	0	0	0	0	0	attached
Meet Target?	Yes	Yes	Yes	Yes	Yes	attached

Linux Outcomes:

Criteria	Outcomes
For Install and maintain Linux operating systems	The rate of students the scored 80% or more was 100%
For Locate Help resources in the Linux operating systems	The rate of students the scored 80% or more was 99.7%
For Use the package management utility to administer the Linux operating systems	The rate of students the scored 80% or more was 99.5%
For Explain the fundamental properties of the shell	The rate of students the scored 80% or more was 83.56%
For Administrate Linux operating systems using Command Line Interface (CLI) and Graphic User Interface (GUI)	The rate of students the scored 80% or more was 84.76%
For Manage jobs, processes and run levels in the Linux operating systems	The rate of students the scored 80% or more was 96%
For Able to configure the peripheral devices and perform network services.	The rate of students the scored 80% or more was 77%
For Conduct troubleshooting, performance evaluation and security features	The rate of students the scored 80% or more was 84%
For Compose administration shell scripts	The rate of students the scored 80% or more was 99.1%

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:
2015-16	<p>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.</p> <p>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.</p>

Student Learning Outcomes:	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.	2015-16	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)	2015-16	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	2015-16	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.	2015-16	Capstone Project	Interview Process with their Portfolio
5. Install/Maintain MS SQL Server and Produce Enterprise Reporting	2015-16	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.	2015-16	Capstone Project	Chair adds results to report.