CNM ANNUAL STUDENT LEARNING ASSESSMENT REPORT

Due to the Student Academic Assessment Committee by October 15

Central New Mexico Community College

PART 1: REPORT INFORMATION

Report Year and Contact Information			
2018-2019	Nathan Saline	nsaline@cnm.edu	**50941**
Academic Year	**Contact Person**	**CNM Email**	**CNM Office Extension**

Subject of this Report
BIT--CIS_AAS--CIS Cloud Technology Concentration

PART 2: CONTEXT IN WHICH THE ASSESSMENT TOOK PLACE

Program/Area Highlights and Successes (Wherever applicable, include course completion rates, job placement outcomes, and licensing examination pass rates. See the program information dashboard at https://livecnm.sharepoint.com/sites/Dashboards/SitePages/Program%20Information%20Dashboard.aspx (access restricted to CNM employees) and other reports at https://www.cnm.edu/depts/opie.)

The Cloud Technology students were assessed on their completion of the Capstone project, which consisted of their ability to complete the hands-on skills based labs and their knowledge of theoretical concepts assessed with a written practice industry certification exam. For the fall Spring terms, there were 4 students who completed the Capstone project for the Cloud Technology concentration. Of those students, the average score on their Capstone projects was 94%.

Changes Implemented During the Past Year in Support of Student Learning

Evaluate an adjustment in curriculum for and CIS2820 to improve the development of skills and knowledge to achieve a higher level. Improve reporting of the capstone project to better assess the skills and knowledge. In doing so we would expect the scores to decline in the next evaluation cycle.

PART 3: REPORT ON ASSESSMENT OF STUDENT LEARNING

Assessment Method	Type of Assessment Tool	Population or Course(s) Assessed	Graduate Learning Outcome(s) Assessed	Mastery Level (E.g., "Minimum score of 3 on a rubric scaled 0-4" or "Minimum score of 75%")	Targeted % Achieving Mastery	Outcome
Capstone Project	Direct & Internal	CIS 1810 Fall 2018	Demonstrate an understanding logical and physical components of a storage infrastructure	Minimum score of 75%	100%	Target met
Capstone Project	Direct & Internal	CIS 1810 Fall 2018	Define backup, recovery, disaster recovery, business continuity, and replication	Minimum score of 75%	100%	Target met
Capstone Project	Direct & Internal	CIS 1810 Fall 2018	Demonstrate an understanding of information security requirements and solutions, and identify parameters for managing and monitoring storage infrastructure in classic, virtualized, and cloud environments	Minimum score of 75%	100%	Target met
Capstone Project	Direct & External	CIS 2820 Fall 2018	Install and configure a hypervisor operating system.	Minimum score of 75%	100%	Target met
Capstone Project	Direct & External	CIS 2820 Fall 2018	Install and configure a centralized management server for managing the virtual infrastructure. Deploy, manage, and migrate virtual machines.	Minimum score of 75%	97%	Target met

Capstone Project	Direct & External	CIS 2820 Fall 2018	Deploy, manage, and migrate virtual machines.	Minimum score of 75%	100%	Target met
Capstone Project	Direct & External	CIS 2820 Fall 2018	Create a template in VMware vCenter ServerTM and deploy a virtual machine from the template	Minimum score of 75%	100%	Target met
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Summary of Assessment Findings

We found that students are preforming well beyond the minimum level we set.

Interpretation of Assessment Findings

We need to either increase the complexity or use a more granular student performances indicator.

Action Plan in Support of Student Learning (Describe changes to be made that are based at least in part on the assessment interpretation. If the assessment did not yield useful information, describe changes to be made in the assessment methodology and/or criteria.)

We feel that the project captures the right material and that it is at the right level of complexity. We are looking for a more precise way of measuring student's performance in this project.

Please select all of the following that characterize the types of changes described in the above action plan:

☐ Assessment criteria revision	☐ Assessment methodology revision	☐ Assignment revision
☐ Budgetary reallocation	☐ Change in teaching approach	☐ Course content revision
☐ Curricular Revision	☐ Faculty training/development	☒ Process revision

Recommendations, Proposals, and/or Funding Requests	**Budget Needed**
I am looking at strength that reporting part of the capstone and including some of the labs as part of the assessment process.	Click or tap here to enter text.

PART 4: REMAINING YEARS IN CURRENT ASSESSMENT CYCLE PLAN (including any revisions) **– OR -- UPCOMING ASSESSMENT CYCLE PLAN** (if this was the final year)

Years of Full Cycle	Next Year's Assessment Focus (Describe how the next planned assessment is expected to provide information that can be used toward improving student learning.)
One	At this point, we are going to continue with the assessment tools that we are using. We are just going to work on strengthening the reporting aspect.

Graduate Learning Outcomes to Be Assessed	Years in which Assessment Is Planned	Population/Courses to Be Assessed	Planned Assessment Approach
Demonstrate an understanding logical and physical components of a storage infrastructure	2018-2019	CIS 1810	Labs
Define backup, recovery, disaster recovery, business continuity, and replication	2018-2019	CIS 1810	Labs
Demonstrate an understanding of informationsecurity requirements and solutions, and identifyparameters for managing and monitoring storageinfrastructure in classic, virtualized, and cloudenvironments.	2018-2019	CIS 1810	Labs
Install and configure a hypervisor operating system.	2018-2019	CIS 2810	Capstone Project
Install and configure a centralized management server for managing the virtual infrastructure.	2018-2019	CIS 2810	Capstone Project
Deploy, manage, and migrate virtual machines.	2018-2019	CIS 2810	Capstone Project
Create a template in VMware vCenter ServerTM and deploy a virtual machine from the template.	2018-2019	CIS 2810	Capstone Project
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