

# CNM ANNUAL STUDENT LEARNING ASSESSMENT REPORT

*Due to the Student Academic Assessment Committee by October 15*



## PART 1: REPORT INFORMATION

Report Year and Contact Information			
<u>2017-2018</u> Academic Year	<u>Paul Clark</u> Contact Person	<u>paulc@cnm.edu</u> CNM Email	<u>50034</u> CNM Office Extension

  

Subject of this Report
BIT--CIS_LINUX--Linux Testout

## PART 2: CONTEXT IN WHICH THE ASSESSMENT TOOK PLACE

Program/Area Highlights and Successes
<p>(Wherever applicable, include course completion rates, job placement outcomes, and licensing examination pass rates. See the program information dashboard at <a href="https://livecnm.sharepoint.com/sites/Dashboards/SitePages/Program%20Information%20Dashboard.aspx">https://livecnm.sharepoint.com/sites/Dashboards/SitePages/Program%20Information%20Dashboard.aspx</a> (access restricted to CNM employees) and other reports at <a href="https://www.cnm.edu/depts/opie">https://www.cnm.edu/depts/opie</a>.)</p> <p>Over the past 12 months the pass rate of CNM students is within 1 percent of the national average: CNM 68.48%, National Average 69.28%</p> <p>The Testout learning domains are consistent with introductory level Linux certifications from CompTia and RedHat.</p> <p>163 students took the Testout certification exam during the last 12 months.</p>

  

Changes Implemented During the Past Year in Support of Student Learning
Review of lesson plans, objectives and assessments

**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
Hands On Projects	Direct & Internal	CIS 1680	Command Line File System management Boot Configuration Process Management Package Management User and Group Management User Access Management Network and Print Configuration Management	Passing score on the Testout final exam 1130 of 1700 total points equal to national average.	69%	Target not met

**Summary of Assessment Findings**  
 Most students are successful at the common final exam prepared by Testout. We were less than 1% below the targeted national average the past 12 months.

**Interpretation of Assessment Findings**  
 Testout is suited for Linux Essentials, an introductory class taught by 2 or 3 instructors per term.

**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.)  
 Add hands-on exercises for all students. Online section is in blended format requiring on-campus assignments.

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

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

Recommendations, Proposals, and/or Funding Requests	Budget Needed
Linux Essentials serves a diverse population of students in all the CIS concentrations. The emphasis of the course is introductory to the agreed upon learning domains specified by the certification agencies.	0

**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.)
2016-2022	Upgraded infrastructure in remodeled SB and new project assignments provide new learning opportunities

Graduate Learning Outcomes to Be Assessed	Years in which Assessment Is Planned	Population/Courses to Be Assessed	Planned Assessment Approach
Describe the operating system, web server, programming, database, HTML, CSS, and web browser technology	2019	CIS 1715	Project Assessment
Use a CMS to publish documents and manage a website	2020	CIS 1713	Project Assessment
Use programming to extend the functionality and control look and layout of content management systems	2021	CIS 1730, CIS 1750, CIS 2763	Project Assessment