

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_AAS--CIS Web Programming Concentration |

PART 2: CONTEXT IN WHICH THE ASSESSMENT TOOK PLACE

| Program/Area Highlights and Successes |
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| (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 .) |
| 3 students participated in elective internship class at the Nuclear Museum. 2 of the students are employed. The internship provides hands-on work experience. |
| 2 graduating students, 1 each in Web Programming, Web Technology. The concentration was renamed from Web Technology to Web Programming in 2016. |

| Changes Implemented During the Past Year in Support of Student Learning |
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| 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 1730, CIS 1750, CIS 2763 | Use programming to extend the functionality and control look and layout of content management systems | 80% | 80% | Target met |

| Summary of Assessment Findings |
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| Most students complete the assigned projects |

| Interpretation of Assessment Findings |
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| May upgrade the projects to include more detail, more difficult tasks. |

| 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.) |
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| Revise projects to require more student critical thinking |

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

- | | | |
|---|--|---|
| <input type="checkbox"/> Assessment criteria revision | <input type="checkbox"/> Assessment methodology revision | <input checked="" type="checkbox"/> Assignment revision |
| <input type="checkbox"/> Budgetary reallocation | <input type="checkbox"/> Change in teaching approach | <input checked="" type="checkbox"/> Course content revision |
| <input checked="" type="checkbox"/> Curricular Revision | <input type="checkbox"/> Faculty training/development | <input type="checkbox"/> Process revision |

| Recommendations, Proposals, and/or Funding Requests | Budget Needed |
|--|---------------|
| Web literacy entry level of students appears to have increased. Students enter the classes with more skill and information than in past. | 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 |