

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>Nick Jones</u> Contact Person	<u>njones37@cnm.edu</u> CNM Email	<u>53326</u> CNM Office Extension

Subject of this Report
BIT--BREW_CERT--Brewing Technology Certificate

PART 2: CONTEXT IN WHICH THE ASSESSMENT TOOK PLACE

Program/Area Highlights and Successes
<small>(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.)</small>
Graduates of the BEV program have been very successful in finding jobs in the brewing industry. The local brewing industry continues to contact CNM looking for additional qualified applicants.

Changes Implemented During the Past Year in Support of Student Learning
Decided to move OSHA 10 certification from BEV 1110 class to OSH 2016.

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
Cicerone Certified Beer Server Exam	Direct & External	BEV 1100	Demonstrate competency in brewing science and brewhouse operations, Analyze and control beverages for quality, Demonstrate knowledge of best practices in brewing and beverage industry, Demonstrate competency in draught system design and maintenance,	Minimum Score of 75%	68%	Target not met
Brewers Association Safety Certificates	Direct & External	BEV 1110	Demonstrate knowledge of best practices in brewing and beverage industry	Minimum Score of 80%	68%	Target not met

Summary of Assessment Findings

Of the 65 students that sat for the Cicerone CBS exam, 44 students passed the exam. This means that 68% of the students who sat for this exam passed. Of the 22 students who took BEV 1110, 15 earned all of their Brewers Association Safety Certificates. This means that 68% of the students earned all of their BA Certs.

Interpretation of Assessment Findings

This falls short of our goal of 75% of students passing the Cicerone CBS exam and 75% of students earning Brewers Association Safety Certificates.

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.)

Faculty will work on curricular revision to reach goal of 75% of students passing Cicerone CBS exam and Brewers Association Safety Certificates.

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

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|---|--|--|
| <input type="checkbox"/> Assessment criteria revision | <input type="checkbox"/> Assessment methodology revision | <input type="checkbox"/> Assignment revision |
| <input type="checkbox"/> Budgetary reallocation | <input type="checkbox"/> Change in teaching approach | <input 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
<p>Building a commercial-scale brewing lab on campus will reduce CNMs reliance on brewery partners in order to get BEV students experience on commercial-scale brewing equipment. This project is underway and will require additional curriculum revisions.</p>	<p>Funding for this project is already included in Master Plan. No additional funding is necessary for brick and mortar, and equipment will be procured using Perkins funds.</p>

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.)
2016/2017-2021/2022	Look at results of breaking OSHA 10 requirement out of BEV 1110 and into OSH-2016

Graduate Learning Outcomes to Be Assessed	Years in which Assessment Is Planned	Population/Courses to Be Assessed	Planned Assessment Approach
Demonstrate competency in brewing science and brewhouse operations	2018-2022	BEV 1110, BEV 1130, BEV 1140	Final Written Exam, Demonstrations
Design, formulate, and create beverage products	2019-2022	BEV 1130, BEV 1140	Term Project
Analyze and control beverages for quality	2016-2022	BEV 1100, BEV 1110, BEV 1130, BEV 1140, BEV 1192	Final Tasting Exam
Demonstrate knowledge of best practices in brewing and beverage industry	2016-2022	BEV 1100, BEV 1110, BEV 1130, BEV 1140, BEV 1192	Cicerone CBS Cert, BA Safety Cert, OSHA 10 Cert
Demonstrate competency in draught system design and maintenance	2018-2022	BEV 1192	Troubleshooting Demonstration, Final Written Exam