

Annual Academic Assessment Report

(CP/BREWING SCIENCE)

(May 7, 2025)

1. Results of analysis of assessment of Student Learning Outcome (SLO)

The Student Learning Outcome provided below is related to the Certificate of Proficiency in Brewing Science.

SLO BS.3. Create, produce and analyze a beer from grain to glass

1. SLO BS.3 was assessed in Spring 2025 in BREW 45703/55703 Production design and analysis of Beer. Two Learning Assessment Techniques (LAT) were used to assess BS.3:

LAT 1 (Oral Presentation): students presented at the end of the course on the beverage they produced/ analyzed in the course to a committee demonstrating their knowledge and experiences in the brew industry. The oral presentation is worth 120 points.

LAT 2 (Poster): Poster presentation highlighting the design processes carried out over the course of BREW 45703/55703 Production design and analysis of Beer. Rubric assesses creativity and skill used in the beer design project in BREW 45703/55703 on the processes to make beer and analytical measurements to measure beer quality. The poster was worth 120 points.

B. Acceptable and Ideal Targets (not required for indirect measures).

Poster (120 total); Oral (120 total), it is expected that an acceptable score to be a 84/120, an ideal (meets expectations) score to be 96/120, and exceeding expectations to be 108/120. A nonacceptable score would be < 84/120. We will report on the students performing at each of these levels.

2. Key Findings for SLO BS.2:

LAT 1 (Oral Presentation): 4/4 students scored ≥ 108 points.

LAT 2 (Poster Presentation): 4/4 students scored ≥ 108 points.

3. Interpretation of key findings in connection to student learning:

LAT 1 (Oral Presentation): The first data point indicates that ELO [BS 3] was met and students are exceeding expectations.

LAT 2 (Poster): The second data point indicates that ELO [BS 3] was met and students are exceeding expectations.

4. Description of anticipated actions for improvement of teaching and learning based on key findings:

This was the second occurrence of BREW 45703 and we would like to see the ELO continue to be met with a greater number of students to better evaluate changes that need to be made. However, based on the results from last year it seems like the instructional content in the certificate is building core competencies in brewing production and analysis.

2. **Any changes to degree/certificate planned or made on the basis of the assessment and analysis.**

No changes to the degree program are planned nor were made on the basis of the assessment and analysis.

3. **Any changes to the assessment process made or planned.**

No changes to the degree program are planned nor were made on the basis of the assessment and analysis.