

Assurance of Student Learning Reflection 2024-2025

<i>College of Health and Human Services</i>	<i>Department of Public Health</i>
<i>Undergraduate Occupational Safety and Health Certificate (1705)</i>	
<i>Jaqueline Basham</i>	
Is this an online program? ☒ Yes ☐ No	Please make sure the Program Learning Outcomes listed match those in CourseLeaf. Indicate verification here ☒ Yes, they match! (If they don't match, explain on this page under Evaluation)

Instructions: For the 2024-25 assessment, we are asking you to reflect on the last three-year cycle rather than collect data. It's important to take time to look over the results from the last assessment cycle and really focus on a data-informed direction going forward. In collaboration with your assessment team and program faculty, review each submitted template from 2021-2024 and consider the following for each Program Learning Outcome, add your narrative to the template, and submit the draft to your **ASL Rep** by **May 15, 2025**.

Program Student Learning Outcome 1

Program Student Learning Outcome	Identify and compile relevant information sources to assess an occupational safety and health problem.
Evaluation	This program learning outcome is still applicable to the OSH certificate. Students need to be able to identify and compile information in order to be successful in the occupational safety and health field. The outcome is measurable utilizing a final project presentation to see that students are able to obtain information from several different sources and put everything together into one presentation to create a comprehensive proposal for a company.
Measurement Instruments	This student learning outcome is measured utilizing an oral and powerpoint presentation from the ENV 321 Fundamentals of Industrial Hygiene course. This is a form of direct measurement where the student is evaluated on their performance on a specified assignment. There are other options within our certificate for the SLO as we have multiple courses where students identify and compile information. However, this will continue to be our measurement instrument as it is one of the most comprehensive assignments related to this SLO. Additionally, the OSH Presentation Rubric was also discussed and determined to be sufficient to continue measuring this assignment.
Criteria & Targets	The criteria of 75% of students earning a proficient or greater score on their final presentation was reviewed and faculty members have decided to increase the program success target from 75% of students earning a proficient or greater on their final presentation to 85% of students earning a proficient or greater on their final presentation. This criteria has been consistently met over the last 3 year cycle. Results have been the following: 2021/2022: 87.5% of students in the program earned proficient or greater on their comprehensive final presentation for SLO1. 2022/2023 100% of students in the program earned proficient or greater on their comprehensive final presentation for SLO1. 2023/2024: 100% of students in the program earned proficient or greater on their comprehensive final presentation for SLO1. Faculty will continue to work to ensure student outcomes consistently meet this new goal of 85%.

Results & Conclusion	<u>Results:</u> The results were surprising in a good way that we were able to increase our goal 10 percentage points. Students have shown this SLO is particularly well demonstrated within our courses. This is an excellent measure to show that our students are able to identify and compile sources they may need during their future careers. <u>Conclusions:</u> SLO1 will continue to utilize the same measurement of the final presentation. It is important to note that this was updated during the last assessment cycle as in 2021-2022 we were using a lab report to analyze this SLO. This was changed to the final project presentation during the 2022-2023 assessment cycle as faculty determined the presentation was a better instrument of measure for this SLO.
<u>**IMPORTANT - Plans for Next Assessment Cycle:</u>	For the future evaluation period the target set will be increased from 75% of students in the program earning proficient or greater on their final presentation to 85% of students in the program earning proficient or greater on their final presentation. This assessment helped to demonstrate that our students were continually exceeding the previous goal set and that we could raise our standards to expect even more of our students to reach this goal.

Program Student Learning Outcome 2	
Program Student Learning Outcome	Interpret and communicate occupational safety and health regulations.
Evaluation	This program learning outcome is still applicable to the OSH certificate. Our advisory board in EOHS and the OSH certificate have consistently emphasized the need for adequate communication in the occupational safety and health field. The outcome is measurable utilizing a discussion board in the ENV 120 Introduction to Occupational Safety and Health course to see that students are able to adequately explain an OSH regulation to an employee at a company.
Measurement Instruments	This student learning outcome is measured utilizing a discussion board from the ENV 120 Introduction to Occupational Safety & Health course. This is a form of direct measurement where the student is evaluated on their performance on a specified assignment. There are other options within our program for the SLO as we have multiple courses where students communicate regulations in OSH. However, this will continue to be our measurement instrument as it is one of the most comprehensive assignments related to this SLO.
Criteria & Targets	The criteria of 75% of students earning a proficient or greater score on their discussion board was reviewed and determined to be sufficient for the next cycle of evaluations. This criteria has not been consistently met each evaluation period for this assessment cycle. Results have been the following: 2021/2022: 71.5% of students in the program earned proficient or greater on their discussion board for SLO2. 2022/2023 100% of students in the program earned proficient or greater on their discussion board for SLO2. 2023/2024: 100% of students in the program earned proficient or greater on their discussion board for SLO2. Faculty will continue to work to improve student outcomes to consistently meet this goal of 75%.
Results & Conclusion	<u>Results:</u> The inconsistency in meeting this goal is what stood out over this assessment cycle. This goal was not met during the 2021/2022 but was met during the next two evaluation periods by all of students.

	<u>Conclusions:</u> Utilizing the discussion board to measure SLO2 works as our assessment. However, there is always room for improvement. After not meeting the goal during the 2021/2022 evaluation period, faculty worked to place more emphasis on regulation interpretation on the quizzes leading up to the discussion board in the class. It is thought that this increased instruction on regulation interpretation has helped to increase the number of students meeting the target but we believe continued evaluation is needed to ensure this is correct.
<u>**IMPORTANT - Plans for Next Assessment Cycle:</u>	Faculty members will continue to monitor student progress as it relates to SLO2. If a high percentage of students continue to meet the goal for SLO2 then faculty members will discuss raising the percentage target.

Program Student Learning Outcome 3	
Program Student Learning Outcome	Apply appropriate field methods to collect occupational safety and health data.
Evaluation	This program learning outcome is still applicable to the OSH certificate. Students need to be able to be given a problem related to the OSH field and apply appropriate methods to be able to collect data to analyze the problem. In order to do this students need to be able to design a proposal showing how they can apply field methods to collect their data (i.e. noise levels within an industry). The outcome is measurable utilizing a written proposal to complete a noise hazard evaluation in the ENV 321 Fundamental of Industrial Hygiene course.
Measurement Instruments	This student learning outcome is measured utilizing a written proposal from the ENV 321 Fundamentals of Industrial Hygiene course. This is a form of direct measurement where the student is evaluated on their performance on a specified assignment. There are other options within our program for the SLO as we have multiple courses where students apply field methods. However, this will continue to be our measurement instrument as it is one of the most comprehensive assignments related to this SLO. Additionally, the OSH Reports Rubric was also discussed and determined to be sufficient to continue measuring this assignment.
Criteria & Targets	The criteria of 75% of students earning a proficient or greater score on their final proposal was reviewed and faculty members have decided to increase the program success target from 75% of students earning a proficient or greater on their final proposal to 80% of students earning a proficient or greater on their final proposal. This criteria has been consistently met over the last 3 year cycle. Results have been the following: 2021/2022: 75% of students in the program earned proficient or greater on their comprehensive final proposal for SLO3. 2022/2023 80% of students in the program earned proficient or greater on their comprehensive final proposal for SLO3. 2023/2024: 100% of students in the program earned proficient or greater on their comprehensive final proposal for SLO3. Faculty will continue to work to ensure student outcomes consistently meet this new goal of 80%.
Results & Conclusion	<u>Results:</u> The results were surprising in a good way that we were able to increase our goal 5 percentage points. Students have shown this SLO is particularly well demonstrated within our courses. This is an excellent measure to show that our students are able to apply methods to successfully data in OSH. <u>Conclusions:</u> Utilizing the final proposal to measure SLO3 works as our assessment. However, since students have been consistently meeting the target goal it is important to continue to push ourselves to ensure more of our students are successfully. This is why we have decided to increase our target goal by 5%.
<u>**IMPORTANT - Plans for</u>	For the future evaluation period the target set will be increased from 75% of students in the program earning proficient or greater on their final proposal to 80% of students in the program earning proficient or greater on their final proposal. This assessment helped to demonstrate

<u>Next Assessment Cycle:</u>	that our students were continually exceeding the previous goal set and that we could raise our standards to expect even more of our students to reach this goal.
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To add more outcomes, if needed, select the table above and copy & paste below.