

Assurance of Student Learning Reflection 2024-2025

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Master of Science (M.S.) in Environmental and Occupational Health Science (0473)	
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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	Develop insight into environmental and occupational health exposures and apply appropriate solutions to assess and reduce these exposures.
Evaluation	Using the last three assessment cycles, this program learning outcome is still relevant. Student understanding of the principles and practices of exposure science is still the fundamental core of the profession. This program learning outcome is measurable. Several SLOs in EOHS 550, 560, 570, and 577 are relevant to this program learning outcome.
Measurement Instruments	The measurement instruments are actually measuring the outcome. The rubric does not need any significant modifications.
Criteria & Targets	Criteria for Success still remains applicable to the program. However, BCSP will be releasing new blueprints in early 2026. This may come with new requirements and a request to use new technologies in assessing exposures. The criteria for success may be reviewed and updated at this point to comply with accreditation requirements, and a new associated target will be developed.
Results & Conclusion	<u>Results:</u> Results were as expected based on the existing data points. <u>Conclusions:</u> The rubric for assessing the program outcome is still relevant. A modification was recently made to EOHS 560, which is now focused on only environmental management. The risk assessment component is been addressed in EOHS 577. This provides an opportunity to address soft skills in environmental management as requested by the program advisory board.
<u>**IMPORTANT - Plans for Next Assessment Cycle:</u>	In the last three years, there were no major changes to this learning outcome. The most recent change was the modification of EOHS 560 to emphasize soft skills in environmental management. If this compromises the program's student learning outcome, especially assessing exposures in the mainstream environment, then program revision will be requested. The change will be monitored over the next assessment cycle as well as considering the new competencies of the revised Blueprint from BCSP.

Program Student Learning Outcome 2	
Program Student Learning Outcome	Apply data analytics and statistical methods to analyze data, interpret and present results in writing.
Evaluation	Using the last three assessment cycles, this program learning outcome is working as expected. Student understanding of data analytics and presentation of results in different forms is still critical to the profession. This program learning outcome is measurable, and SLOs in EOHS 572 and 577 are relevant to this program learning outcome.
Measurement Instruments	The measurement instruments are actually measuring the outcome. The rubric does not need any significant modifications in order to determine if the SLO is met.
Criteria & Targets	Criteria for Success still remains applicable to the program. However, BCSP will be releasing new blueprints in early 2026. This may come with new requirements to meet the analytical skills based on the job demands in the work environment. The criteria for success may be reviewed and updated at this point to comply with accreditation requirements. The existing target is 75%. Since this has consistently been met, it is time to adjust this to 80%.
Results & Conclusion	Results: Results are as expected. The research design components are improving. The data analysis component is well structured, and the associated learning outcome is consistently met. Conclusions: In the last three years, the program faculty revised the curriculum by modifying this program student learning outcome. The research design and variable measurement component was added. This is critical to understanding the data behind the analytics such that there is a comprehensive approach to apply skills from design through to analysis, interpreting, and writing reports. The change was made in 2022. Based on the existing data, the change is working. Therefore, for the next assessment cycle, the target will be increased to 80% (changed from 75%).
<u>**IMPORTANT - Plans for Next Assessment Cycle:</u>	In the last three years, the program faculty did a curriculum review based on advisory board request and comments from the NIOSH TPG grant review report. There was a need to add research design as part of this program's student learning outcome. The change was implemented in Fall 2022. There is no need to change the artifacts, but it is high time to change the target from 75% to 80%. The sequencing of classes will remain the same, which is for the students to take EOHS 572 before EOHS 577 or have both in the same semester. The program faculty will continue to monitor the SLO before the next assessment cycle. Since BCSP will be releasing a new Blueprint in early 2026, the SLO may be modified as needed and to make it relevant to the profession and as well meet the accreditation requirement.

Program Student Learning Outcome 3	
Program Student Learning Outcome	Communicate environmental health risks and exchange information through public speaking, written reports, and interpersonal skills.
Evaluation	Using the last three assessment cycles, this program learning outcome is still relevant. It is critical to understand how to communicate relevant environmental and occupational health information to appropriate audiences. This program learning outcome is measurable, and SLO in PH 584 is relevant to this program learning outcome.
Measurement Instruments	The measurement instrument is measuring the outcome. However, it is important to review this program student learning outcome to ensure that the measurability of all components is ensured. The interpersonal skills of the measure are somehow difficult to measure within the current context, especially since most of the students in the program are online. The program faculty review the SLO and provide appropriate amendments.
Criteria & Targets	Criteria for success still remains applicable to the program. However, BCSP will be releasing new blueprints in early 2026. This may come with new requirements to meet the risk communication competency. The criteria for success may be reviewed and updated at this point to comply with accreditation requirements. The existing target is 75%. Since this has consistently been met, it is time to adjust this to 80%.
Results & Conclusion	<u>Results:</u> Results are as expected and are consistently met. <u>Conclusions:</u> The rubric for assessing the program outcome is still relevant. There has not been any modification to this program's student learning outcome over the past five years or so. Since the program is increasingly popular as an online program, it is critical to review this SLO and its measurability, especially the interpersonal skills components. The best time to do this would be after the release of the new BCSP Blueprint.
<u>**IMPORTANT - Plans for Next Assessment Cycle:</u>	In the last three years, there were no changes to this learning outcome. The program faculty will review this program learning outcome, including assessing its measurability and applicability in an online instructional environment. The review may be done in the fall or spring, before the next assessment cycle. This is an appropriate time in that the BCSP Blueprint will also have been released. The change will be monitored over the next two assessment cycles.

To add more outcomes, if needed, select the table above and copy & paste below.