		Assurance of Student Learning Report 2023-2024		
College of Healt	h & Human Services	Department of Public Health		
	fety & Health Certificate	2 op an ment of 1 none means		
Jacqueline Bash				
	e program? ⊠ Yes □ No	Please make sure the Program Learning Outcomes listed match those in CourseLeaf . In Yes, they match! (If they don't match, explain on this page under <b>Assessment Cycle</b> )		ation here
Use this page to more Outcomes		ements, and summarize results for your program. Detailed information must be completed in th	e subsequent p	pages. Add
Program Stude	nt Learning Outcome 1: Ident	ify and compile relevant information sources to assess an occupational safety and health pro	olem.	
Instrument 1	Final Project Presentation – I	ENV 321 Fundamentals of Industrial Hygiene		
Instrument 2				
Instrument 3				
Based on your i	esults, check whether the prog	ram met the goal Student Learning Outcome 1.	⊠ Met	☐ Not Met
Program Stude	nt Learning Outcome 2: Interp	ret and communicate occupational safety and health regulations.		
Instrument 1	Discussion Board – ENV 120	Introduction to Occupational Safety and Health		
Instrument 2				
Instrument 3				
Based on your i	esults, check whether the prog	ram met the goal Student Learning Outcome 2.	⊠ Met	☐ Not Met
Program Stude	nt Learning Outcome 3: Apply	appropriate field methods to collect occupational safety and health data.		
Instrument 1	Comprehensive Proposal – El	NV 321 Fundamentals of Industrial Hygiene		
Instrument 2				
Instrument 3				
Based on your i	esults, check whether the prog	ram met the goal Student Learning Outcome 3.	⊠ Met	☐ Not Met
Assessment Cyc	le Plan:	·		
All student le	arning outcomes were asse	ssed during this cycle. The assessment indicates that the mean scores for all SLOs	meet progr	am success
targets. The p	program is preparing stude	nts for jobs in the field, as indicated by a greater than 95% employment rate in the	e field. The	program is
		review of the program, not only by faculty members, but by an EOHS advisory be		1 0
	2	d into the courses and the learning objectives are then used to analyze that these		•

is important to note that the class utilizied to analyze SLO1 and SLO3 learning objectives is only taught every 3 semesters and was not taught

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during the 2023/2024 academic year, therefore, data from the Spring 2023 semester was used.

		Program Student Learning Ou	tcome 1		
Program Student Learning Outcome	Identify and c	ompile relevant information sources to asse	ss an occupational safety	and health problem.	
Measurement Instrument 1	were given a ca given the issue Administration	e of student learning: Students in ENV 321 lase study as a final project to determine the be related to noise and must design a monitoring requirements for a Hearing Conservation Proenting to the owner of the company. For SLO	st way to monitor for a no gprogram to the meet the gram. Students have to pr	ise hazard within a facto Occupational Safety & Hesent their final project t	ory. Students are Health to the class as if
Criteria for Student Success	points with tho	Id score "Proficient" or greater on the OSH Prese scoring 40 – 50 points being deemed "Profin 25 points being deemed "Novice".			
Program Success Target for this Measurement		75% of students should score "Proficient" or greater for SLO 1.	Percent of Program Achieving Target	100% of students score greater for SLO 1.	d "Proficient or
Methods	<b>Direct</b> : Artifacts from the course were collected from all certificate students in the course during the specified time period ( <i>N</i> = 7). The presentations were evaluated according to the OSH Presentation Rubric (Appendix 1). Each student presentation was scored according to the rubric. Total scores on the rubric were rated from Novice to Proficient. SLO 1 was assessed based on the total score.				
		ether the program met the goal Student Lea		⊠ Met	☐ Not Met

Results, Conclusion, and Plans for Next Assessment Cycle (Describe what worked, what didn't, and plan going forward)

Results: The results show that students in the Occupational Safety and Health certificate are able to proficiently identify and compile relevant information sources to assess an occupational safety and health problem. It is important to note that the artifacts collected are the same for this report as the 2022/2023 report due to class rotation schedule. This class was previously offered in the Spring 2023 semester and will be offered again in Fall 2024. Therefore, the class was not offered during this assessment time period so prior artifacts were utilized. The number of students did change however as 1 of the previously evaluated students are no longer in the OSH certificate and 3 additional students in the class had added the certificate for the 2023-2024 academic year.

<u>Conclusions</u>: After evaluation of the SLOs in the Fall 2022 semester by EOHS faculty members it was determined that more than one rubric was needed to analyze SLOs. Faculty members worked together to create the OSH presentation rubric for all OSH courses instead of utilizing one rubric for both reports and presentations. This allows faculty members to focus more specifically on presentation skills (soft skills) which is something the EOHS advisory board has indicated is needed within the EOHS profession. After reviewing results, faculty members have decided to keep this change in place.

Plans for Next Assessment Cycle: Assessments for the EOHS program occur on a yearly basis, therefore, the next assessment of SLO 1 will occur in the Fall 2024 semester. The presentation will continue to be collected from the ENV 321 course. The program coordinator for the 2024/25 academic year, Jacqueline Basham, will be responsible for collecting and providing information and data related to SLO 1 from the instructor of record for ENV 321.

		Program Student Learning Out	come 2		
<b>Program Student Learning</b>	Interpret and	communicate occupational safety and healt	h regulations.		
Outcome					
Measurement Instrument 1	analysis of an o the regulation t develop a discu	re of Student Learning: Students in ENV 120 occupational safety and health regulation. This hrough a discussion. The assignment met SLC assion based on interpretation and applicationing to communicate the regulation to an employ	s required each student to interproperty 2 by requiring students to analy of the regulation. Students then we	et the regulation at a	and communicate workplace and
Criteria for Student Success	Students should	d score 80% or greater on the assignment.			
<b>Program Success Target for</b>	this	75% of students will score 80% or greater	Percent of Program	100% of student	ts scored 80% or
Measurement		(20 of 25 points) on the assignment.	Achieving Target	greater for SLO	2.
Methods	<b>Direct:</b> Artifacts from ENV 120 Introduction to Occupational Safety and Health course were collected from all certificate students in the course during the specified time period (N = 3). Discussion Boards were evaluated according to the rubric in the course which requires that students communicate the regulation to an employee and then review other students' posts and address ways in which that student could improve. SLO 2 was assessed based on the total score for the discussion board.			the rubric in the posts and	
		ether the program met the goal Student Lea		⊠ Met	☐ Not Met
Degulta Conclusion and Dlay	ng for Novt Aggo	gament Cycle (Degawihe what worked what	didn't and plan going famuung	1/	

### Results, Conclusion, and Plans for Next Assessment Cycle (Describe what worked, what didn't, and plan going forward)

<u>Results</u>: The results show that students in the Occupational Safety and Health certificate are able to interpret and communicate an occupational safety and health regulation. Regulations related to radiation hazards are subject to change due to new and developing OSH standards. Evaluators will continue to ensure that the most up-to-date information is given regarding radiation hazards so that students are able to practice effective communication with the most recent regulations in safety.

Conclusions: After evaluation of the SLOs in the Fall 2023 semester by EOHS faculty members it was deteremined that discussion board comments and participation seem to be lacking. There may need to be more emphasis placed on completeing discussion boards as part of the class or to change this to a different type of assignment instead of utilizing a discussion board. SLO 2 will continue to be analyzed utilizing the discussion board from the ENV 120 course for this academic year but this will be evaluated again Fall 2024 semester and may potentially change for the 2024-2025 assessment period.

<u>Plans for Next Assessment Cycle</u>: Assessments for the EOHS program occur on a yearly basis, therefore, the next assessment of SLO 2 will occur in the Fall 2024 semester. The discussion board responses will continue to be collected from the ENV 120 course at this time but may be changed to a more relevant format in the future. The program coordinator for the 2024/25 academic year, Jacqueline Basham, will be responsible for collecting and providing information and data related to SLO 2 from the instructor of record for ENV 120.

		Program Student Learning Out	come 3		
<b>Program Student Learning</b>	Apply approp	riate field methods to collect occupational s	afety and health data.		
Outcome					
Measurement Instrument 1	were given a ca given the issue Administration final project for problem, expla	re of student learning: Students in ENV 321 are study as a final project to determine the bear related to noise and must design a monitoring requirements for a Hearing Conservation Program the class as if they were presenting the proposin the program they have developed to solve the solution. For SLO 3 the final score for the conservation of the conservation of the conservation.	st way to monitor for a noise haze program to meet the Occupation gram. Students have to create a cosal to the owner of the company. the problem, and create a timeline	ard within a factorial Safety & Healt omprehensive proof. This requires the and a budget require the sand a budget requires the s	ry. Students are th
Criteria for Student Success	from 0 – 100 p	ld score "Proficient" or greater on the OSH Resoints with those scoring 80 –100 points being ng less than 50 points being deemed "Novice"	deemed "Proficient", 79 - 50 poi		•
Program Success Target for t Measurement	this	75% of students should score "Proficient" or greater for SLO 3.	Percent of Program Achieving Target	100% of student proficient or gre	
				-	
Methods	<b>Direct</b> : Artifacts from the ENV 321 Fundamentals of Industrial Hygiene course were collected from all certificate students in the course ( $N = 7$ ). The proposals were evaluated according to the OSH Reports Rubric (Appendix 2). Each student proposal was scored according to the rubric. Total scores on the rubric were rated from Novice to Proficient. SLO 3 was assessed based on the total score for the proposal.			udent proposal	
		ether the program met the goal Student Lea		⊠ Met	☐ Not Met

### Results, Conclusion, and Plans for Next Assessment Cycle (Describe what worked, what didn't, and plan going forward)

Results: The results show that students in the Occupational Safety and Health certificate are able to apply appropriate field methods to collect occupational safety and health data. This included creating a budget and timeline both of which are skills our EOHS advisory board have indicated are needed for new professionals within the field. It is important to note that the artifacts collected are the same for this report as the 2022/2023 report due to class rotation schedule. This class was previously offered in the Spring 2023 semester and will be offered again in Fall 2024. Therefore, the class was not offered during this assessment time period so prior artifacts were utilized. The number of students did change however as 1 of the previously evaluated students are no longer in the OSH certificate 3 additional students in the class had added the certificate for the 2023-2024 academic year.

<u>Conclusions</u>: After evaluation of the SLOs in the Fall 2022 semester by EOHS faculty members it was deteremined that the OSH report rubric needed to be more broad to be easier to use by all faculty members in multiple courses. Faculty members worked together to create the OSH report rubric for all OSH courses. This

allows faculty members to have a broad rubric that can be tailored to individual courses. This ensures that all faculty members are evaluating based on the same basic principles while still allowing for assessment of specific skills related to the course material. After reviewing results, faculty members have decided to keep this change in place.

<u>Plans for Next Assessment Cycle</u>: Assessments for the EOHS program occur on a yearly basis, therefore, the next assessment of SLO 3 will occur in the Fall 2024 semester. The proposal will continue to be collected from the ENV 321 course. The program coordinator for the 2024/25 academic year, Jacqueline Basham, will be responsible for collecting and providing information and data related to SLO 3 from the instructor of record for ENV 321.

\*\*\* Please include Curriculum Map (below/next page) as part of this document

## **Appendix 1 - OSH Presentation Rubric**

	Novice	Competent	Proficient
Presentation Skills	Points: <b>0</b> (0.00%)  Student did not complete presentation component	Points:  10 (20.00%)  Student gave presentation but did not interact with the audience, read directly from the slides and/or was unable to answer questions related to presentation	Points:  20 (40.00%)  Student gave a well formed presentation while engaging the audience and was able to provide reasonable answers to questions and comments.
Presentation	Points: <b>0</b> (0.00%)  No presentation was created	Points:  15 (30.00%)  Only a portion of the presentation was created (i.e. no budget or conclusion was given but an introduction and assessment plan were created)	Points: <b>30</b> (60.00%)  All parts of the presentation were created (i.e. title page, introduction, assessment plan, budget, conclusion, references) and done in a well organized

Novice	Competent	Proficient
		way that was easy to understand

# Appendix 2 - OSH Reports Rubric

	Novice	Competent	Proficient
Formatting & Organization	Points:  1 (1.00%)  Report is not organized or formatted in any recognizable manner but the is completed	Points: <b>5</b> (5.00%) Report has some formatting and organization but information is not always in the correct areas and it is hard to find where specific information is located	Points:  10 (10.00%) Report is formatted and organized in a way that is easy to read and quickly find the information that is needed.
Content	Points: <b>0</b> (0.00%) Student does not provide a report	Points: <b>40</b> (40.00%)  Students report has some of the sections required but not all and/or students	Points: <b>80</b> (80.00%) Students report has all required sections with all

	Novice	Competent	Proficient
		report has all sections required but there is needed information left out	needed information included
References	Points: <b>0</b> (0.00%) References are not given	Points: <b>5</b> (5.00%) At least some references are given but not formatted correctly	Points:  10 (10.00%)  All references used to create the report are provided and formatted correctly

# <u>Appendix 3 – OSH Certificate Curriculum Map</u>

Program name:	Occupational	Safety & Health Certificate (1705)			
Department:	Public Health				
College:	Health & Hum	an Services			
Contact person	Jacqueline Ba	sham, MPH, ASP			
Email:	jacqueline.bas	ham@wku.edu			
KEY:					
I = Introduced					
R = Reinforced/	Developed				
M = Mastered					
A = Assessed					
			Learning Outcomes		
			Learning Outcomes		
			_	LO2:	LO3:
			_	Interpret and communicate occupational safety and health regulations.	Apply appropriate field methods to collect occupational safety and health data.
Course Subject	Number	Course Title	Identify and compile relevant information sources to assess an occupational safety and health	Interpret and communicate occupational safety and health regulations.	Apply appropriate field methods to collect occupational safety and health
Course Subject ENV	120	Course Title Introduction to Occupational Safety and Health	Identify and compile relevant information sources to assess an occupational safety and health	Interpret and communicate occupational safety and health	Apply appropriate field methods to collect occupational safety and health
			Identify and compile relevant information sources to assess an occupational safety and health	Interpret and communicate occupational safety and health regulations.	Apply appropriate field methods to collect occupational safety and health
ENV	120	Introduction to Occupational Safety and Health	Identify and compile relevant information sources to assess an occupational safety and health problem.	Interpret and communicate occupational safety and health regulations.	Apply appropriate field methods to collect occupational safety and health data.
ENV ENV	120 221	Introduction to Occupational Safety and Health Safety and Health Standards, Codes, and Regulations	Identify and compile relevant information sources to assess an occupational safety and health problem.	Interpret and communicate occupational safety and health regulations.  IRA IRM	Apply appropriate field methods to collect occupational safety and health data.