Assurance of Student Learning Reflection 2024-2025	
Ogden College of Science and Engineering	*Earth, Environmental, and Atmospheric Sciences*
Emergency Management Disaster Science #1749	
Greg Goodrich	
Is this an online program? ☒ Yes X No	Please make sure the Program Learning Outcomes listed match those in CourseLeaf. Indicate verification here X 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	Students completing the Emergency Management Disaster Science Certificate will be able to demonstrate an understanding of incident management.
Evaluation	The capstone course is evaluated based on participation, contribution from each assigned course role, and quality of deliverables.
Measurement Instruments	A demonstrative applied capstone project is given during the final required course of the certificate. The project consists of the collection of real-time intelligence of potential hazards and applying that intelligence to a simulated event. Students must demonstrate an understanding of risk identification as they produce a tangible, comprehensive risk-idenfitication measures with simulated response efforts as part of a real-time experiment that unfolds across the final week.
Criteria & Targets	The goal is for the class average to be 90% on the assessment for. Reflecting upon these assesments for AY 23, 24, and 25, we feel that these criteria are effective.
Results & Conclusion	**Results**: Over the past three years the students have met the requirements for this SLO 3 out of 3 years. **High**: 99% **Low**: 97% **Mean**: 98% (minimum goal: 90%) **Trend**: flat
****IMPORTANT - Plans for Next Assessment Cycle**:	The three year assessment has coincided with a time of growth and increasing regional recognition. Course capacities have been increased multiple times to meet demands and students from each college at WKU are repsented in certificate enrollment and completion. EMDS certificate program has single-handedly revamped the success of the Homeland Security Science graduate program and has served as advantage for students seeking this as a co-credential or elective credential. The growth and success of EMDS has proven to be the embryo for the rapid interest, growth, and demand in Disaster Sciences as a discipline at WKU, which in tern has resulted in new hires (both tenure-track and non-tenure-track), as well as a new focus on development of new Disaster Science B.S., M.S., and doctoral programs. As such there are no plans to make changes to program assessment or modifications until size or other concerns are realized.

Program Student Learning Outcome 2	
Program Student Learning Outcome	Students completing the Emergency Management Disaster Science Certificate will be able to demonstrate an understanding of risk identification.
Evaluation	The capstone course is evaluated based on participation, contribution from each assigned course role, and quality of deliverables.
Measurement Instruments	A demonstrative applied capstone project is given during the final required course of the certificate. The project consists of the collection of real-time intelligence of potential hazards and applying that intelligence to a simulated event. Students must demonstrate an understanding of risk identification as they produce a tangible, comprehensive risk-idenfitication measures with simulated response efforts as part of a real-time experiment that unfolds across the final week.
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Program Student Learning Outcome 3	
Program Student Learning Outcome	Students completing the Emergency Management Disaster Science Certificate will be able to demonstrate an understanding of emergency planning.
Evaluation	The capstone course is evaluated based on participation, contribution from each assigned course role, and quality of deliverables.
Measurement Instruments	A demonstrative applied capstone project is given during the final required course of the certificate. The project consists of the collection of real-time intelligence of potential hazards and applying that intelligence to a simulated event. Students must demonstrate an understanding of risk identification as they produce a tangible, comprehensive risk-idenfitication measures with simulated response efforts as part of a real-time experiment that unfolds across the final week.
Criteria & Targets	The goal is for the class average to be 90% on the assessment for. Reflecting upon these assesments for AY 23, 24, and 25, we feel that these criteria are effective.
Results & Conclusion	**Results**: Over the past three years the students have met the requirements for this SLO 3 out of 3 years. **High**: 98% **Low**: 98%

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