

Assurance of Student Learning Reflection 2024-2025	
Ogden College of Science & Engineering	Agriculture & Food Science
BS in Agriculture 508	
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Is this an online program? 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	Students will demonstrate the ability to assimilate, analyze, and effectively communicate agricultural research data.
Evaluation	This program learning outcome is still relevant but needs updating. One initial change may be to separate this outcome into two independent outcomes to facilitate better accesement.
Measurement Instruments	The rubric to measure this outcome was somewhat effective. It's strength was in evaluating communication skills but was less effective on determining the student's ability to analyze data.
Criteria & Targets	Over the last three years, the target was easily achieved. The target was 80% with results ranging from 84%-88%. Target levels and criteria should be evaluated
Results & Conclusion	As mentioned above, the target level was easily met each year. Our expectations were to meet this target. However, the level that the target was exceeded was somewhat surprising. Having the artifact in a required class for the program facilitated gathering data on all students. Though there were multiple sections of this class taught by several different instructors, the rubric assisted with consistency among evaluators. Having a broad learning outcome resulted in a more ambiguous rubric. Breaking this outcome into two could facilitate better evaluation on the student's ability to assimilate and analyze data. The rubric didn't distinguish between communication in general and the ability to convey and explain research data.

<u>**IMPORTANT - Plans for Next Assessment Cycle:</u>	New SLO 1: Students will be able to effectively communicate agricultural concepts to diverse audiences through written, oral, and visual formats, demonstrating clarity, accuracy, and relevance. SLO 1 will be assessed in AGRI 398 seminar with a revised rubric serving as the artifact. This course is required by the major and should allow for assessment for all agriculture students.
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Program Student Learning Outcome 2	
Program Student Learning Outcome	Students will demonstrate the ability to effectively interpret issues pertinent to the agriculture discipline.
Evaluation	This program learning outcome is still relevant. However, since the outcome is consistently meeting the target, perhaps a different learning outcome should be evaluated in the future to help maintain/improve program quality.
Measurement Instruments	The measured instrument effectively evaluated the outcome. The instrument was part of an inclass assessment that minimized the chances of plagiarism or utilization of AI.
Criteria & Targets	The target for this artifact was 80%. Data for the last three years ranged from 85% - 89%. If this learning outcome continues to be utilized in assessment, perhaps a higher target is needed.
Results & Conclusion	The artifact worked well in assessing this outcome. Students were able to research and articulate view on current agriculture issues. This artifact took place in our senior level agriculture issues courses and demonstrated the effectiveness of this course. If this outcome is continued, some alterations to the rubric may take place to enhance the evaluation process.
<u>**IMPORTANT - Plans for Next Assessment Cycle:</u>	New SLO 2: Students will be able to accurately summarize, interpret, and analyze agricultural data using appropriate quantitative and qualitative methods to draw informed conclusions and support decision-making. SLO 2 will be assessed in a required data analysis course. Students will be required to complete an assignment focused on summarizing and interpreting data to make recommendations to address an agriculture related issue. Student grades for this assignment will be utilized to assess this outcome.

Program Student Learning Outcome 3

Program Student Learning Outcome	Students will demonstrate proficiency in agriculture career preparation.
Evaluation	This learning outcome is still relevant and important to the program. However, do to the success of student performance, it is evident we are reaching our goal.
Measurement Instruments	The instrument is adequate to assess the outcome.
Criteria & Targets	If outcome is kept, no changes need to be made towards target.
Results & Conclusion	Having this assessment in a required course worked well to ensure all students were assessed. With a mock interview serving as the instrument, there was considerable workload on the faculty instructor for this course. Depending on the growth of the program, this assessment may no longer be feasible or multiple sections of the course will need to be offered with multiple instructors to spread out the workload.
<u>**IMPORTANT - Plans for Next Assessment Cycle:</u>	New SLO 3: Students will demonstrate the technical skills and applied knowledge necessary for agricultural practices in laboratory, field, and industry settings. SLO 3 will be assessed across multiple courses within the major. A set group of questions will be included in a course final to assess core competencies. Required courses for the major along with required courses for individual concentrations will be included in the assessment. This will not only provide assessment for general base knowledge of all students within the major, but will also provide further assessments of speciality areas of study.

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