

**Assurance of Student Learning
2019-2020**

OGDEN COLLEGE OF SCIENCE & ENGINEERING

AGRICULTURE AND FOOD SCIENCE

M.S. in Agriculture – 052

Use this page to list learning outcomes, measurements, and summarize results for your program. Detailed information must be completed in the subsequent pages.

Student Learning Outcome 1: Graduates will communicate effectively in written and oral formats.

Instrument 1	Direct: Oral presentation of selected research topic.
Instrument 2	Indirect: Submission of a written abstract.
Instrument 3	

Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 1.	Met	Not Met
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Student Learning Outcome 2: Graduates will have the ability to assimilate information, analyze and interpret it.

Instrument 1	Graduates will have the capacity to assimilate information, analyze, and interpret it.
Instrument 2	
Instrument 3	

Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 2.	Met	Not Met
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Student Learning Outcome 3:

Instrument 1	
Instrument 2	
Instrument 3	

Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 3.	Met	Not Met
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Program Summary (Briefly summarize the action and follow up items from your detailed responses on subsequent pages.)

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Student Learning Outcome 1

Student Learning Outcome	Graduates will communicate effectively in written and oral formats.		
Measurement Instrument 1	Direct: Oral presentation of selected research topic. Candidates are evaluated via the required AGRI 598 (Graduate Seminar) course. Students utilized various sources to research the topic and prepared a 12 to 15 minute oral presentation summarizing their results. Topics included individual thesis research projects. Students were evaluated based upon four presentation criteria: Mechanics and Delivery, Content Knowledge, Quality of Visuals, and Organization and Clarity that were assessed by departmental faculty via a rubric.		
Criteria for Student Success	Students should score an average of 75% (3.75 on the rubric scale of 0 – 5).		
Program Success Target for this Measurement	80% of students will score at least 75% on the rubric.	Percent of Program Achieving Target	100%
Methods	8 of the 8 students enrolled in Fall 2019 achieved a score of at least 75% on their 15-minute presentation.		
Measurement Instrument 2	Indirect: Submission of a written abstract. Students prepare a written abstract associated with their professional presentation. The abstract is assessed by the course instructor and other departmental faculty.		
Criteria for Student Success	Students should score at or greater than 75% on the assignment.		
Program Success Target for this Measurement	80% of students will score at least 75% on the abstract assignment.	Percent of Program Achieving Target	100%
Methods	Student abstracts were assessed based upon previously discussed abstract formatting which includes the objectives, materials and methods, results, and implications of the research. 8 of 8 students enrolled in the Fall 2019 semester scored at least 75% on their written abstract.		
Measurement Instrument 3			
Criteria for Student Success			
Program Success Target for this Measurement		Percent of Program Achieving Target	
Methods			

Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 1.	Met	Not Met
Actions (Describe the decision-making process and actions planned for program improvement. The actions should include a timeline.)		
Under the current criteria for success we have obtained a very high level of success. We may re-evaluate these criteria to help aid in improving student performance, which may be included in the 2021-2022 ASL report.		
Follow-Up (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.)		

Student Learning Outcome 2

Student Learning Outcome	Students should be able to use appropriate agricultural experimental designs, perform proper data analysis procedures and make valid result interpretations on research questions.		
Measurement Instrument 1	Score in final comprehensive course assessment.		
Criteria for Student Success	Students should score at least 75% in the final comprehensive course assessment		
Program Success Target for this Measurement	70% success rate of applicable students	Percent of Program Achieving Target	80%
Methods	Candidates were comprehensively assessed for their ability to answer given research questions by using their skills of selecting proper experimental designs, following appropriate data analysis procedures, and making valid interpretations. Students were assessed during the spring 2020 semester, 8 of 10 student scored at least 75%.		
Measurement Instrument 2			
Criteria for Student Success			
Program Success Target for this Measurement		Percent of Program Achieving Target	
Methods			
Measurement Instrument 3			
Criteria for Student Success			
Program Success Target for this Measurement		Percent of Program Achieving Target	
Methods			
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 2.			Met
Not Met			
Actions (Describe the decision-making process and actions planned for program improvement. The actions should include a timeline.)			
Standardization of the assessment instrument by Spring 2021.			
Follow-Up (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.)			

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Student Learning Outcome 3			
Student Learning Outcome			
Measurement Instrument 1	NOTE: Each student learning outcome should have at least one direct measure of student learning . Indirect measures are not required.		
Criteria for Student Success			
Program Success Target for this Measurement		Percent of Program Achieving Target	
Methods			
Measurement Instrument 2			
Criteria for Student Success			
Program Success Target for this Measurement		Percent of Program Achieving Target	
Methods			
Measurement Instrument 3			
Criteria for Student Success			
Program Success Target for this Measurement		Percent of Program Achieving Target	
Methods			
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 3.			Met
Actions (Describe the decision-making process and actions planned for program improvement. The actions should include a timeline.)			Not Met

We have become aware that “The ASL committee has recommended three Student Learning Outcomes.” Given that awareness, the department will work together to develop a third student learning outcome (SLO). We expect to complete the development of that SLO during the 2020-2021 academic year and then have it implemented, which suggests that the earliest data would be available might not be until the 2021-2022 reporting period.

Follow-Up (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.)