Assurance of Student Learning 2018-2019	
Ogden College of Science and Engineering	Department of 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	**Direct: 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**
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**

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**	88%	
Methods	7 of the 8 students enrolled in Fall 2018 achieved a score of at least 75% on their 15 minute presentation.			
Measurement Instrument 2	Direct: 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**	88%	
Methods	Student presentations are assessed via a departmentally-approved rubric. Students were evaluated based upon four presentation criteria: Mechanics and Delivery, Content Knowledge, Quality of Visuals, and Organization and Clarity. Student abstracts were assessed based upon previously discussed abstract formatting which includes the objectives, materials and methods, results, and implications of the research.			
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 1.			**Met**	**Not Met**
Actions Faculty will assess data and collectively determine methods by which to improve student learning. Topics for discussion may include ways to improve the rubric assessment tool. These discussions will take place during Spring 2020 semester and changes will be incorporated into the 2019 – 2020 report.				

Follow-Up
Data collected during the Spring 2020 semester will represent the follow-up assessment.

Student Learning Outcome 2				
Student Learning Outcome	**Graduates will have the capacity to assimilate information, analyze, and interpret it.**			
Measurement Instrument 1	**Direct: presentation and abstract related to the AGRI 590 course.**			
Criteria for Student Success	Students should score a mean of at least 80% on the rubric.			
Program Success Target for this Measurement	70% success rate of applicable students	**Percent of Program Achieving Target**	N/A	
Methods	Candidates were to be evaluated via the AGRI 590 course (Experimental Design) whereby they would develop a hypothesis, construct an experimental design, collect data and analyze data with statistical methods. While several students completed these steps within the context of their thesis research project, data were not specifically collected in this course.			
Based on your results, circle or highlight whether the program met the goal Student Learning Outcome 2.			**Met**	**Not Met**
Actions				
While several students completed these steps within the context of their thesis research project, data were not specifically collected in this course. During future offerings of AGRI 590 data will be collected as a part of the course objectives.				
Follow-Up				
Data collected during the Spring 2020 semester will represent the follow-up assessment.				