

**Assurance of Student Learning
2019-2020**

Ogden College of Science and Engineering

Department of Agriculture and Food Science

B.S. in Agriculture (508)

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: Students will demonstrate the ability to assimilate, analyze, and effectively communicate agricultural research data.

Instrument 1	Direct: Oral presentation of selected research topic.
Instrument 2	
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: Students will demonstrate the ability to effectively interpret issues pertinent to the agriculture discipline.

Instrument 1	Direct: Analysis of essay-format exams.
Instrument 2	Indirect: Group-based discussions of pertinent topics.
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: Students will demonstrate proficiency in agriculture career preparation.

Instrument 1	Direct: Mock interview with the Center for Career and Professional Development.
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	Students will demonstrate the ability to assimilate, analyze, and effectively communicate agricultural research data.		
Measurement Instrument 1	Direct: Oral presentation of a selected research topic. Students in the AGRI 398 courses (required for all students pursuing a B.S. in Agriculture) will be given a topic to research. Students will utilize various sources (databases, websites, books, refereed articles, etc.) to research the topic and prepare a 12 to 15 minute oral presentation summarizing the topic.		
Criteria for Student Success	Students should score a minimum of 75%.		
Program Success Target for this Measurement	80% of students should score a 75% or greater based upon the rubric.	Percent of Program Achieving Target	82% (32/39)
Methods	Students will be evaluated with a standardized rubric in the following categories: Mechanics and Delivery, Content Knowledge, Quality of Visuals, and Organization and Clarity.		
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.)			
Since 82% met the objective, we feel that an 80% success rate is a reasonable and achievable goal. Additional instruction regarding presentation guidelines and tips will be offered the students in order to further improve student performance.			
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 2			
Student Learning Outcome	Students will demonstrate the ability to effectively interpret issues pertinent to the agriculture discipline.		
Measurement Instrument 1	Direct: Analysis of essay-format exams via a standardized rubric. Students in the AGRI 494 (Contemporary Agricultural Issues) course will be introduced to various agricultural topics that generate debate among the industry, consumers, and advocacy groups. Issues to be discussed include but are not limited to: genetic engineering, animal rights and welfare, food safety and security, population growth and sustainability, industrial hemp, and water rights and usage. Students are assessed via a standardized rubric.		
Criteria for Student Success	Students should score between a 75% and 100% on the exams.		
Program Success Target for this Measurement	80% of students should score at least 75% on the rubric.	Percent of Program Achieving Target	92% (97/105)
Methods	Three essay-format exams are administered each semester – a standardized rubric is utilized to assess each exam. Each exam accounts for 20% of the course grade.		
Measurement Instrument 2	Indirect: Group-based discussions of pertinent topics. Course topics are introduced to students by placing them into groups of 4 or 5 and providing them with a series of topic-related questions or terminology to discuss. Groups relay their answers and discussions to the entire class, thus providing a springboard for more extensive topical discussions among the entire group. This group-based process will be repeated 12 to 15 times during the 15 week course.		
Criteria for Student Success	Participation by and interaction within and among the assigned groups.		
Program Success Target for this Measurement	75% of enrolled students participate in all assigned group work.	Percent of Program Achieving Target	77% (27/35)
Methods	Assigned group work will be assessed by evidence of completed worksheets. A small portion of the course grade is achieved with each submission.		
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.)			
Students performed well on the exams, based upon the rubric assessment. Since nearly 80% of students participated in all group work assignments, this no doubt translated into good performance on the exam rubric. Most students who missed assigned group work had excused absences due to illness, death in the family, job interview, etc.			
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 3

Student Learning Outcome	Students will demonstrate proficiency in agriculture career preparation.		
Measurement Instrument 1	Direct: Mock interview with the Center for Career and Professional Development. Students identify a job announcement aligned with their particular agricultural emphasis or career goal – they provide the announcement, their resume and a cover letter to CCPD personnel (Jeremy Jenkins) 48 hours prior to their mock interview. Students are assessed on their performance on the 20 to 30 minute mock interview via a standardized rubric scoring system.		
Criteria for Student Success	Students should achieve a score of 85% on their mock interview assignment.		
Program Success Target for this Measurement	80% of students should score at least 85%.	Percent of Program Achieving Target	97% (33/34)
Methods	Students are assessed based upon a number of criteria including professional dress, punctuality, body language and mannerisms, answering of questions, and resume preparation.		
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
Based upon the results from spring 2020 semester we do not feel changes to the mock interview process should be instituted; students performed very well.			
Follow-Up (Provide your timeline for follow-up. If follow-up has occurred, describe how the actions above have resulted in program improvement.)			