

**Program Assessment Plan
(Poultry Science-Undergraduate Program)
University of Arkansas
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1. Department Name & Contact Information

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2. Department Mission

The Center of Excellence for Poultry Science shall provide comprehensive programs in research, teaching, and extension dedicated to improving the lives of Arkansans associated with all components of the poultry industry by generating knowledge through research and putting that knowledge to use through education.

3. Program Goals

The goal of the poultry science curriculum is to promote a fundamental understanding of poultry science across sub-disciplines, with an emphasis on the scientific basis underlying the poultry industry. The objective of the required POSC courses is to provide an overview of poultry-related careers, production practices, poultry anatomy, and disciplines that include physiology, diseases, genetics, nutrition, processing, and products.

4. Student Learning Outcome 1. Students will demonstrate knowledge of the basic principles of production, anatomy, physiology, genetics, nutrition, health, and disease identification as related to poultry.

The following items apply to EACH Assessment Measure.

A. Poultry Pre and Post Assessment Test.

- POSC has established a pre and posttest that will be administered the freshmen year in POSC 1002 Introduction to Careers in Poultry Science and again in the senior year in POSC 4343 Poultry Nutrition.
- The test includes questions from required poultry core courses: Poultry Nutrition 4343, Avian Anatomy 3554, Poultry Diseases 3323, Egg and Meat Technology 4314, Poultry Production 2343, and Poultry Breeder Management 2353.
- A pre/posttest was established for POSC 4213.
- The pretest and the posttest are scored separately.
- The pre/posttest is a direct measure.

POSC Exit Survey

- The Poultry Science Exit Survey is given during the senior year.
- The survey is an indirect measure.

B. Acceptable and Ideal Targets (not required for indirect measures).

- It is likely that the freshmen class will fare poorly on the pretest. We would expect an average score for the pretest to be less than or equal to 55%. We would expect an average score for the posttest to be greater than or equal to 80%.

C. Key Personnel (Department Head, Faculty, Department Administrative Manager).

- Mike Kidd-department head, the class instructor, and Patrice Sims-department administrative manager

D. Summary of Findings.

- As students matriculate through the program, they will complete the poultry science core.
- The test was administered fall 2018 in Intro to Poultry Careers to 36 students. The average score for the pretest was 39%. The first post-test will be administered spring 2020. It is expected that students will fare poorly on the pretest. The posttest should show a significant improvement. The students will gain this knowledge from the poultry science core courses. We would expect an average score for the posttest to be greater than or equal to 80%.
- A pre/posttest was administered in spring 2019 to students enrolled in POSC 4213. The average score was 25%. The low was 12%. The high was 46%.Forty-five percent of the class made 25% or below.
- The post-test average for POSC 4213 was 76%. The low was 9%. The high was 80%.

E. Recommendations (not required for indirect measures)

For AY 2019-2020 POSC will revise the pretest/post test as well as the rubrics,

5. Student Learning Outcome 2. Students develop critical-thinking skills that apply to issues and problems faced by the poultry industry.

Student Learning Outcome 3: Students will be able to communicate summaries of lab activities, interpret results of problem-solving activities and summarize results of research in written and oral communication (Learning Outcome two & three are using rubrics as the direct measure)

The following items apply to EACH Assessment Measure.

A. Rubrics for POSC Seminar Courses

- POSC has established rubric to be used in the seminar courses: POSC 4801 Seminar: Research Topics; POSC 4811 Seminar Professionalism; POSC 4821 Problem Solving; and POSC 4831 Processing Regulations
- The Rubric is a direct measure.
- Two rubrics: oral communications, and written communication will be used in the seminar courses.

(Department of Poultry Science AY 2018-2019)

- POSC 4801: aim is to help undergraduate students assimilate the fundamentals of understanding research source value and how to read, understand orally present quality referred research publications.
- POSC 4811: address issues associated with preparation for finding and retaining your first job in the poultry industry.
- POSC 4821: real world problem solving of poultry production systems.
- POSC 4831: processing plant procedures and regulations with an emphasis on problem solving.

B. Acceptable and Ideal Targets (not required for indirect measures).

- The seminar course is taken during the junior or senior year; preferably the senior year. It is expected that 80% of the class will meet expectations 10% will exceed expectations and 5% will not meet the expectations.

C. Key Personnel (Department Head, Faculty, Department Administrative Manager).

- Mike Kidd-department head, the class instructor, and Patrice Sims-department administrative manager

D. Summary of Findings.

- The seminar courses consist of several oral presentations, written presentations, team building exercises as well as problem solving activities. Students would have gained the prerequisite skills for oral presentations and written presentations from previous poultry sciences courses and university core courses. The criteria set forth in the rubric will be explained for the assignments. Students at this level should be able to meet or exceed the criteria of the rubric.
- POSC 4831 was assessed on two oral presentations. The class exceeded standards.

E. Recommendations (not required for indirect measures)

- Currently, we do not have any recommendations.

6. Overall Recommendations

The department will continue to implement the rubrics into the seminar courses. The internship final report ca

7. Action Plan

No action plan at this time.

8. Supporting Attachments

Pretest and Posttest
Graduate Survey
Oral Presentation Rubric
Written Communication Rubric

