

Animal Science BS

Develop Professional Skills

Goal Description:

Students earning a BS in Animal Science will learn the skills necessary for seeking job placement and technical writing in the work place.

RELATED ITEMS/ELEMENTS-----

RELATED ITEM LEVEL 1

Development of Marketplace Skills

Learning Objective Description:

Students completing the BS in Animal Science will demonstrate skills necessary to compete in the professional marketplace.

RELATED ITEM LEVEL 2

AGRI 4120- Professional Employment Portfolio

Indicator Description:

All students seeking a degree in Animal Science are required to complete AGRI 4120 in their senior year. The course addresses essential skills necessary for job placement in the work force for agriculture employment - resume preparation, interview skills, technical writing skills and employment opportunities. Faculty will review student assignments and assess student performance on a portfolio of artifacts using a faculty-developed rubric.

Attached Files

 [AGRI 4120 Portfolio Rubric Matrix](#)

Criterion Description:

Faculty evaluations will indicate that at least 70% of the Animal Science students enrolled in AGRI 4120 will perform at an acceptable level and score a 3 (meets expectations) or higher on a scale of 1-5. Technical writing skills were a concern from previous evaluations and continue to be an area addressed.

Findings Description:

On average, 81% of Animal Science students in the class scored 3 or higher on the professional portfolio submission, while we were very pleased to see that 72% scored a 4 or higher. The portfolio included a cover letter, resume, reference page, letters of recommendation and an application. This is an indication that students are taking this assignment seriously as they prepare to exit the university.

RELATED ITEM LEVEL 3

Development of Marketplace Skills

Action Description:

Students are exceeding expectations based on the criterion description. This is a positive outcome. Based on these findings, we will continue monitoring student performance on an annual basis. We must be diligent in continuous assessment of this learning objective to ensure that our students are prepared to enter the marketplace. We may consider moving the criterion description standard to 70% of Animal Science students enrolled in the course scoring a 4 or higher, rather than a 3 or higher, but we believe it is too early to make this change at this point in time.

Knowledge Of Key Animal Science Concepts

Goal Description:

Students will develop knowledge and understanding of key concepts relevant to Animal Science and animal production.

RELATED ITEMS/ELEMENTS-----

RELATED ITEM LEVEL 1

Development of Student Knowledge in Animal Science

Learning Objective Description:

Students will develop factual and fundamental knowledge relative to the science of farm animals. Upon completion of the course, students will be able to apply the gained factual and fundamental knowledge relative to animal science and apply the information regarding animal nutrition and management.

RELATED ITEM LEVEL 2

ANSC 3373- Advanced Animal Science Knowledge

Indicator Description:

All students enrolled in the Animal Science program must complete an advanced animal science course. The course for assessment (ANSC 3373) addresses key concepts relevant to nutrition and management relative to the field of animal science and knowledge expected for animal science graduates. During the fall semester, 15 relative questions were developed for each exam of 4 exams. Questions were classified as factual knowledge, fundamental knowledge and application of both factual and fundamental knowledge. All students were assessed for each category of questions across all exams. Student scores were then categorized on a scale of 1 - 5 with 3 "meets expectations," 4 "exceeds expectations," and 5 "far exceeds expectations."

Criterion Description:

There will be a general consensus among Animal Science Faculty members that at least 70% of the students enrolled in the advanced course will perform at an acceptable level with a score of 3 (meets expectations) or higher, in all three categories (factual, fundamental and application). Weaknesses to be observed: application of knowledge.

Findings Description:

On average, 76% of the students in the class scored 3 or higher on the the three categories of embedded questions. Of the 4 exams, carbohydrates had the lowest average score, yet, it still met the goal of "meets expectations". The protein exam (Exam II) and lipid exam (Exam IV) had the highest achievement scores. Though the students scored the highest on factual knowledge of the Gastrointestinal tract they scored the lowest on application of the knowledge. More supplemental information and enriched lectures with practical scenarios will be embedded to the lectures to enrich the application of factual and fundamental knowledge of GI tract topics. Application of information of carbohydrates was equally low, faculty will spend more time on metabolism how it is affected by the diet.

RELATED ITEM LEVEL 3

Development of Student Knowledge in Animal Science

Action Description:

Though 76% of the students in the class scored 3 or higher on the the three categories of embedded questions, there is room for improvement. Students scored the highest on factual knowledge of the gastrointestinal tract, but failed to translate this knowledge into application at the level expected. More supplemental information and enriched lectures with practical scenarios will be embedded to the lectures to enrich the application of factual and fundamental knowledge of GI tract topics. Application of information of carbohydrates was equally low, faculty will spend more time on metabolism how it is affected by the diet.

Update to Previous Cycle's Plan for Continuous Improvement

Previous Cycle's Plan For Continuous Improvement (Do Not Modify):

Lecture outlines and supplemental materials will be provide in courses to assist in students gaining knowledge and understanding key concepts. Materials will be available on Bb for students to access to enrich the lectures for students to be better prepared for applying fundamental and factual knowledge learn in ANSC 3373

Update of Progress to the Previous Cycle's PCI:

Students have demonstrated the ability to memorize factual knowledge and they have exhibited an acceptable level of fundamental animal science content; however, their ability to apply the information to a higher level of expectations for an advanced course the students are less successful. Faculty in the animal sciences will continue to strive to bridge the students ability to apply information from their core animal sciences into practical scenarios. This will be achieved by discussion, homework, case studies, etc.

Marketplace Skills and Content Knowledge

Closing Summary:

Students are exceeding expectations based on the criterion description. This is a positive outcome. Based on these findings, we will continue monitoring student performance on an annual basis. We must be diligent in continuous assessment of this learning objective to ensure that our students are prepared to enter the marketplace. We may consider moving the criterion description standard to 70% of Animal Science students enrolled in the course scoring a 4 or higher, rather than a 3 or higher, but we believe it is too early to make this change at this point in time.

Though 76% of the students in the class scored 3 or higher on the the three categories of embedded questions in the common animal science course, there is room for improvement. Students scored the highest on factual knowledge of the gastrointestinal tract, but failed to translate this knowledge into application at the level expected. More supplemental information and enriched lectures with practical scenarios will be embedded to the lectures to enrich the application of factual and fundamental knowledge of GI tract topics. Application of information of carbohydrates was equally low, faculty will spend more time on metabolism how it is affected by the diet.