Student Learning Objectives

- **Scientific awareness**: Broad training in basic biological and physical sciences.
- **Analytical skills**: The sciences demand quantitative skills supported by requirements in mathematics and statistics.
- **Animal biology**: Required coursework within the Department focusing on understanding the foundations of cellular communication and organization to create tissues to perform specific functions. The courses also build practical skills in understanding the physiological and behavioral requirements of various species of animals and building practical decision-making skills regarding how to feed, how to breed and manage animals to assure their well-being and productivity.
- **Food animal production and biotechnology**: In addition to the focus on assuring health and welfare of animals, we develop an understanding of the use of animals in food production. The growing use of animals in biotechnology to produce pharmaceutical products is addressed throughout upper-level coursework in genetics, immunology, reproduction and nutrition providing an emphasis on health-related technologies.
- **Critical and ethical thinking/problem solving**: In addition to standard knowledge (fact-based), students are expected to develop abilities to gather information needed to address broad questions.
- **Communication**: Strengths in written and verbal communication are fundamental to being able to contribute to one’s profession.

Assessment tools

- no information

Recent activities

- no information