Department:

Agriculture

Course Description:

This course will provide an introduction to the field of animal science. The course will focus on fundamental concepts of genetics, animal breeding, physiology, anatomy, nutrition, digestion, and the scope of the livestock industry.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Describe the role animal agriculture plays in individual lives.
2. Explain how animal agriculture affects quality of life.
3. Explain how the sciences of genetics, nutrition, physiology, and economics are used in developing management strategies for animal agricultural enterprises.
4. Analyze animal welfare issues and evaluate their impact on farming practices.
5. Analyze food safety issues in the animal agriculture industry.

Course Content:

A. Animal Agriculture, Its Products, and Humanity
B. Applied Animal Genetics
C. Anatomy and Physiology of Farm Animals
D. Anatomy and Physiology of Reproduction in Farm Mammals
E. Principles of Animal Nutrition and Digestion

Learning Assessments:

Course competencies will be assessed by use of regular exams, quizzes, and class assignments.

Instructional Materials:

Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

In order to begin the process all students must complete the “Disabilities Self-Identification Form” at this link: https://highlandcc.edu/pages/disability-services.

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.