

Department:

Agriculture

Course Description:

This course will introduce 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:

Competencies may be evaluated by multiple measures, including exams, papers, article reviews, research, and class assignments.

Instructional Materials:

Textbook: Campbell, K. (2010). *Animal Sciences: The Biology, Care, and Production of Domestic Animals* (4th ed.). Long Grove, IL: Waveland Press. ISBN-13: 978-1577666561

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” on our [Disability Services website](#).

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.

A Note on Harassment, Discrimination and Sexual Misconduct

Highland Community College seeks to assure all community members learn and work in a welcoming and inclusive environment. Title VII, Title IX, and College policy prohibit harassment, discrimination and sexual misconduct. Highland Community College encourages anyone experiencing harassment, discrimination or sexual misconduct to talk to report to the Vice President for Student Services, the Human Resources Director or complete an [online report](#) about what happened so that they can get the support they need and Highland Community College can respond appropriately.

There are both confidential and non-confidential resources and reporting options available to you. Highland Community College is legally obligated to respond to reports of sexual misconduct, and therefore we cannot guarantee the confidentiality of a report, unless made to a confidential resource. Responses may vary from support services to formal investigations. As a faculty member, I am required to report incidents of sexual misconduct and thus cannot guarantee confidentiality. I must provide our Title IX coordinator with relevant details such as the names of those involved in the incident. For more information about policies and resources or reporting options, please review our [Equity Grievance Policy](#).