AGRI 2200

Division: Natural Science and Mathematics
Department: Agriculture
Course: AGRI 2200
Title: Anatomy and Physiology of Domestic Animals
Catalog Description:

This class is a study of the anatomy of domestic animals and the functions of the various systems. Each system is studied separately with emphasis on the skeletal, circulatory, digestive and reproductive systems.

General Education Requirements: Individual Choice
Semesters Offered: TBA
Credit/Time Requirement: Credit: 3; Lecture: 3; Lab: 0
Clock/Hour Requirements: 0
Offered for Non-Credit: No
Corequisites: AGRI 2205

Justification:

This is a prerequisite to upper division animal science courses. It is important that agriculture students and livestock producers have a basic understanding of the physiology of the domestic animals that they produce. This course is equivalent to ADVS 2200 at USU.

Student Learning Outcomes:

As a result of taking this course, students will:

- be familiar with the terminology used to describe anatomical parts of the animal body and system functions
- be aware of the basic systems in the animal body
- understand the function of the different systems
- appreciate the interactions within the systems
- appreciate the importance of animal nutrition and digestion in today s animal agriculture
- appreciate the importance of efficient reproduction in domestic animals.

Content:

AGRI 2200 covers the following topics:

- Intro to anatomy and physiology including terminology
- Cells and tissues
- The nervous system
- The skeletal system
- The muscular system
- The circulatory system

- The respiratory system
- The digestive system
- Reproductive system

General Education Outcomes:

4) Retrieve, evaluate, interpret, and deliver information through a variety of traditional and electronic media.
Students are required to research a topic from one of the systems we study. Using the information gained, they are required to construct an informative poster and then make a verbal presentation to the class explaining their findings.

Key Performance Indicators:

Outcome of the course will be assessed in several ways.
Grades will be given based on:
4 tests including the final ---------- 60%
Frequent quizzes based on material recently covered -- 20%
Research and resulting poster and verbal presentation 20%

Representative Text and/or Supplies:

Anatomy and Physiology of Domestic Animals Authors R.D. Frandson, W. L. Wilke and A. D. Fails, current edition. Publisher Lippencott, Williams and Wilkins.

Optimum Class Size: 24
Maximum Class Size: 24

Signatures:

I hereby submit this course syllabus:

Jack Anderson, , Professor

I hereby find this course consistent with the goals and resources of the Agriculture Department:

, , , Chair

I hereby find this course consistent with the goals and resources of the Natural Science and Mathematics Division:

Dan Black, EdD, Associate Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)