AGRI 1010

Division: Natural Science and Mathematics
Department: Agriculture
Course: AGRI 1010
Title: Fundamentals Of Animal Science
Catalog Description:

The historical perspective and importance of animal production will be examined relative to time, society and geographical location. The contribution of animal production and related food products to our society will be covered. Scientific selection, breeding, feeding and management will be studied as they relate to efficiency of production of the various farm animals and consumer demand.

General Education Requirements: N/A
Semesters Offered: Fall
Credit/Time Requirement: Credit: 4; Lecture: 4; Lab: 0
Clock/Hour Requirements: 0
Offered for Non-Credit: No
Justification:

Animal agriculture affects all of us in today s society. It is important that producers and consumers alike have an educated understanding of animal agriculture and its connection to the food and other products derived from the industry. This course is part of the animal science curriculum for a transfer student. This course is equivalent to AGSC 1100 at SUU and ADVS 1110 at USU.

Student Learning Outcomes:

As a result of taking this course, students will:

- be aware of the different livestock production systems and cognizant of where in the nation and in the world the majority of the livestock production occurs
- be aware of the source of the different animal products that are being offered as food on the supermarket shelves
- appreciate the complexity of animal agriculture production and how it is affected by consumer demands
- appreciate the role of animal agriculture and how it contributes to the food and fiber needs of the world.

Content:

AGRI 1010 covers the following topics:

- Livestock production and human wants and needs (Historical to the present)
- Food and fiber produced from the animal and poultry industries.
- Reproduction of domestic animal
- Basic genetics and the growth of animals

- The digestive system of farm animals
- Feeds and nutrients and their functions
- Lactation physiology and milk production
- Animal adaptation to the environment
- Beef cattle breeds and production
- Dairy breeds and production
- Swine breeds and production
- Sheep and goat breeds and production
- Horse breeds and production
- Animal behavior
- Environmental social and consumer issues affecting animal production.

General Education Outcomes:

4) Retrieve, evaluate, interpret, and deliver information through a variety of traditional and electronic media. Students are required to research the production process of a food product. Using this information they are required to construct an informative poster and then make a verbal presentation to the class. Feed back is then given for both the presentation and the poster for improvement with similar projects.

Key Performance Indicators:

Outcome of the course and grades will be assessed in several ways:

- Scores on 5 written tests including the final -------70%
- Food research, poster and oral report ----------15%
- Random quizzes based on recent lecture material ------ 15%

Representative Text and/or Supplies:

Scientific Farm Animal Production Authors: Robert Taylor and Thomas Field, current edition, Published by Prentice Hall

Optimum Class Size: 24
Maximum Class Size: 30

Signatures:

I hereby submit this course syllabus:

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Jack Anderson, , Professor

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

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, , , Chair

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

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Dan Black, EdD, Associate Professor, Dean

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

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

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Michelle Olsen, MLS, Campus Librarian (Richfield Campus)