

COURSE INFORMATION FORM

ASI 102

Dept. abbreviation and course number

COLLEGE of AGRICULTURE, KANSAS STATE UNIVERSITY

Course Title:

Principles of Animal Science. (3) I, II.

Course Description:

Basic principles which apply to animal agriculture; survey of the industry; types, purposes, and products of livestock; principles of breeding, selection, nutrition, lactation, reproduction, management, and marketing. Three hours rec. a week. ASI 105, 106 and 107 are companion courses. ASI-102-0-0104.

Student Performance Objectives:

Students should be able to:

- Interpret the role of animal agriculture in feeding mankind.
- Define terms common to the animal industries discussed in class.
- List examples of interrelationships between animal agriculture and other segments of our society.
- Discuss how practices and products of animal agriculture affect student's quality of life.
- Identify the basic concepts of genetics, nutrition, physiology, marketing, and management as they relate to the animal agriculture.
- Differentiate among the various segments of animal agriculture.
- Discuss the most common management systems for the species of animals and poultry found in American agriculture.
- Name the most common breeds within each specie.

Instructor:

David A. Nichols

Course Outline:

- I. Importance of animal agriculture in our economy.
- II. Animal products
- III. Modes of inheritance
- IV. Animal breeding
- V. Development of breeds
- VI. Principles of animal physiology
- VII. Principles of animal nutrition
- VIII. Management systems
- IX. Animal health
- X. Marketing animals and animal products
- XI. Breeds and management systems for cattle (beef and dairy), swine, horses, sheep, and poultry

Evaluation Procedures:

Course grade is derived from test scores. Each instructor explains grade standards to class during first class meeting.

Text and Reference Material:

Recommended text is "Animal Science and Industry" by Acker.

Sequencing:

This course is the basic introductory course in the animal sciences.

Supplemental Information:

Animal Sciences courses 105, 106 and 107 are companion courses.