

ANSC-ANIMAL SCIENCE (ANSC)

ANSC 1110. Animal Science Careers

1 Credit (1)

Introduction to scientific disciplines and career options in animal-agriculture career skill development, including resume preparation, networking, importance of internships, and leadership experiences in animal agriculture.

ANSC 1120. Introduction to Animal Science

3 Credits (3)

This course is designed to provide an introduction to nutrients and their function in livestock animals. Basic feed identification, evaluation, and diet formulation will be discussed. The anatomy of the digestive tract of animals and their ability to utilize feedstuffs is presented. Classification, digestion, absorption, transport and metabolism of major nutrients required by animals are studied

ANSC 1120H. Introduction to Animal Science Honors

3 Credits (3)

This course is designed to provide an introduction to nutrients and their function in livestock animals. Basic feed identification, evaluation, and diet formulation will be discussed. The anatomy of the digestive tract of animals and their ability to utilize feedstuffs is presented. Classification, digestion, absorption, transport and metabolism of major nutrients required by animals are studied. Additional course work will be required. Restricted to Las Cruces campus only.

Prerequisite(s): Eligibility for membership in honors college.

ANSC 1120L. Introduction to Animal Science Lab

1 Credit (2P)

Students will observe and participate in activities related to farm animal management and will include areas of livestock selection, nutrition, reproductive physiology, animal ID and animal health. This lab is required for animal science majors.

Prerequisite(s)/Corequisite(s): ANSC 1120.

ANSC 1130. Western Equitation I

2 Credits (4P)

Basic principles of Western riding, including care and management of the riding horse, equitation equipment, and development of riding skills.

ANSC 1140. Introduction to Dairy Science

3 Credits (3)

Introduction to the basic aspects of dairy science and how to apply key concepts to the practical feeding and management of dairy cattle and production of dairy products. Students should also obtain an appreciation for the size and diversity of the dairy industry.

Prerequisite(s)/Corequisite(s): ANSC 1120. Restricted to Las Cruces campus only.

ANSC 1160. Introductory Horse Science

3 Credits (2+2P)

The light horse industry; breeds; introduction to feeding, breeding, marketing and management; handling and selecting horses for breeding and performance.

ANSC 1170. Introduction to Animal Metabolism

3 Credits (3)

Principles underlying the mechanisms of animal metabolism as they relate to production, maintenance, and health of animals.

Prerequisite: CHEM 1215G.

ANSC 1180. Companion Animal in Society

3 Credits (3)

Examination of the historical, current, and potential future roles of companion animals in human society. Topics include animal domestication, breeds, exotic companion animals, the companion animal industry, and competitions and sports involving companion animals. Emphasis is on canine and feline species. May be repeated up to 3 credits. Restricted to Las Cruces campus only.

ANSC 2120. Equine Management

3 Credits (3)

Introduction and application of the business skills necessary to effectively manage the equine operation. Students will learn how to use strategic thinking and sound business management practices to succeed in the demanding equine industry.

Prerequisite: ANSC 1160.

ANSC 2130. Western Equitation II

2 Credits (4P)

Intermediate principles of Western riding, including reading horse behavior, limbering-up exercises, and developing riding skills. Introduction to rollbacks, turnarounds and stops.

Prerequisite: consent of instructor.

ANSC 2140. Introduction to Companion Animal Science

3 Credits (3)

Introduction to the care of common companion animal species. Species specific housing and nutrition are covered in the context of maximizing animal health and well-being and reducing disease. May be repeated up to 3 credits.

ANSC 2150. Management of Equine Operations

3 Credits (3)

Introduction and application of business skills necessary to effectively manage the equine operation. Students will learn how to use strategic thinking and sound business management practices to succeed in the demanding equine industry.

Prerequisite(s): ANSC 1160.

ANSC 2160. Team Competition in Animal Science

1-2 Credits

Training in team competition in the animal sciences. May be repeated up to 6 credits. Consent of Instructor required.

ANSC 2310. Introduction to Meat Science

3 Credits (2+3P)

Fundamental aspects of the red meat industry. Lecture topics and laboratory exercises include the nutrient value of meat, meat preservation, meat safety, muscle structure and contraction, slaughter and processing of beef, lamb and pork, sausage manufacture, meat curing, meat cookery, and muscle and bone anatomy.

ANSC 2330. Animal Production

3 Credits (2+2P)

Production and utilization of beef cattle, sheep, and swine; emphasis on feeding, breeding, management problems and marketing; selection of animals for breeding and market

ANSC 2340. Genetics in Animal Science

3 Credits (3)

Introduction to genetics and inheritance relative to livestock production. Introduction to procedures for collection and use of performance information in livestock improvement programs.

Prerequisites: BIOL 2610G.

ANSC 2996. Special Topics

1-4 Credits

Specific subjects and credits to be announced in the Schedule of Classes.

Maximum of 4 credits per semester. No more than 9 credits toward a degree.