

**AH 106. Animal Breeding (3) (Same as DS 106)**

Prerequisite: Biol 120, AH 1 or DS 11A. Principles of physiology and heredity as applied to the breeding of farm animals; application of genetics to a livestock breeding program.

**AH 115. Anatomy and Physiology of Farm Animals (3)**

Prerequisite: Zool 1, Chem 8. General structures of farm animals and physiological functions of organs of the animal body. (2 lecture, 3 lab hours)

**AH 116. Livestock Sanitation and Diseases (3)**

Prerequisite: AH 115. Sanitation practices and use of disinfectants; cause, symptoms, prevention, and treatment of common diseases of livestock. (2 lecture, 3 lab hours)

**AH 122. Advanced Beef Production (3)**

Prerequisite: AH 22. Study of research material in breeding, nutrition, diseases and management; records of performance, pedigrees, purebred sales and show herd management. (2 lecture, 3 lab hours; 1 week-end field trip)

**AH 133. Market Swine Production (3)**

Prerequisite: AH 1, 30. Types, market classes, and grades of swine; food demands, building and equipment requirements, marketing methods, and management problems in market swine production. (2 lecture, 3 lab hours)

**AH 143. Advanced Sheep and Wool Technology (3)**

Prerequisite: AH 40, Chem 2A-B, 8. Research material in breeding, nutrition, diseases, progeny and performance testing; carcass quality improvement and economics of sheep industry; testing techniques in wool technology, grade and other physical measurements, properties and characteristics determining value; role of wool in world trade. (2 lecture, 3 lab hours; 2 field trips)

**AH 150. Advanced Horse Husbandry (3)**

Prerequisite: AH 1, 50. Advanced principles of horse husbandry including management of horse breeding farms, breeding systems, training and selling horses, and western equitation. (1 lecture, 6 lab hours; 1 week-end field trip)

**AH 170. Animal Husbandry Seminar (1; max total 2)**

Open to seniors majoring in animal husbandry. Latest developments in research; assigned research papers in animal husbandry to be presented in both oral and written form.

**AH 172. Animal Nutrition (3)**

Prerequisite: AH 71, Chem 8, or permission of instructor. Principles of animal nutrition; nutritive requirements for growth, fattening, reproduction, lactation and other body functions of farm animals; relationship of malnutrition and deficiency diseases to livestock production.

**AH 175. Grading and Marketing Livestock (3)**

Prerequisite: AH 1, 2. Grading live and dressed carcasses; determining cut-out values for beef, sheep, and swine. (2 lecture, 3 lab hours; field trips to central markets)

**AH 190. Independent Study (1-3; max see reference)**

See *Regulations and Procedures—Independent Study*.