

AH 50. Horse Husbandry (3) S

Prerequisites: AH 1, 2. Breeds, selection, care, and feeding of light horses; their use and place in the agriculture of California. (2 lecture, 3 lab hours)

AH 71. Feeds and Feeding (3) F

Prerequisites: AH 1, Chem. 2a-b, Biol. 1a or 1b. Composition and nutritive value of livestock feeds and their utilization by the farm animal body; processes of digestion and assimilation; feeding standards and basic principles of feeding farm animals.

AH 73. Feed Mill Management (2) F and S

Prerequisite: AH 71 or PH 32. Operation and maintenance of feed mill; compiling rations; mixing, buying and selling feeds; participation in management and operation of college feed mill. (1 lecture, 3 lab hours)

AH 103. Advanced Livestock Judging (2) F

Prerequisites: AH 2, 3, or permission of instructor. Livestock judging preparation; individuals to better select animals according to breed types and characteristics. Trips to intercollegiate judging contests. (1 lecture, 3 lab hours)

AH 106. Animal Breeding (3) S (Same as DH 106)

Not open to students with credit in DH 160. Prerequisites: Biol. 120, AH 103. DH 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) F

Prerequisites: 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) S

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) F

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

AH 133. Market Swine Production (3) S

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

AH 135. Advanced Fitting and Showing of Livestock (2) F

Prerequisite: AH 25. Advanced training in fitting and showing beef cattle, sheep or swine. Students required to select, fit and show livestock at two shows or sales. (6 lab hours)

AH 143. Advanced Sheep Production (3) S

Prerequisites: AH 1, 40. Research material in breeding, nutrition, diseases, management; ram progeny and performance testing; classifying and grading breeding flock; stud breeding; sheep improvement through selective breeding; use of irrigated pastures and supplementary feeds. (2 lecture, 3 lab hours)

AH 144. Wool and Wool Industry (2) S

Prerequisites: AH 40, Chem. 2a-b, 8. Commercial value, uses, fundamental characteristics of wool; judging trade classifications; sorting, scouring, carbonizing, painting, shrinkage, grading. (1 lecture, 3 lab hours)

AH 150. Advanced Horse Husbandry (3) S

Prerequisites: 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 weekend field trip required)

AH 172. Animal Nutrition (3) S (Former AH 72)

Prerequisites: 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) S

Prerequisites: 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 (1-5) F and S (See page 64)**DAIRY HUSBANDRY****DH 11a-b. Introduction to Dairying (3-3) F-S**

A general survey of the growth and development of dairying. (a) Principles and practices in the production of milk; basic feeding, management, and disease control practices. (b) Basic principles of dairy industry practices; common dairy tests; general survey of all important branches of the industry. (2 lecture, 3 lab hours)

DH 55. Dairy Cattle Judging (2) S

Prerequisite: DH 11a. Judging dairy cattle on type and conformation; comparative judging of cattle in college herd and outstanding dairy herds in the San Joaquin Valley. (1 lecture; 3 lab hours)

DH 56. Dairy Cattle Selection (2) F

Correlation of production and pedigree records together with type classifications in selection of dairy cattle. (1 lecture; 3 lab hours)

DH 102. Dairy Farm Management (3) F

Prerequisites: DH 11a-b, 55, 56, Econ. 1a. Problems in management of a dairy farm; marketing problems and factors in controlling milk secretion. (2 lecture, 3 lab hours)

DH 105. Advanced Dairy Cattle Judging (2) F

Prerequisites: DH 55, 56. Advanced practice in comparative judging and selection of dairy cattle; detailed scoring of cattle and practice in justifying comparative placing. Trips to intercollegiate judging contests. (1 lecture, 3 lab hours)

DH 106. Animal Breeding (3) S (See AH 106)**DH 108. Selecting, Fitting and Showing Dairy Cattle (2) S**

Prerequisites: DH 11a-b, 55. Techniques in selecting and fitting dairy cattle for shows and sales; entrance requirements for dairy cattle in California fairs and shows. (1 lecture, 3 lab hours)

DH 110. Artificial Insemination (2) F

Prerequisites: DH 11a, Biol. 120, AH 115. Basic principles of artificial insemination of dairy cattle; semen collection, processing, evaluation and use. (1 lecture, 3 lab hours)

DH 190. Independent Study (1-5) F and S (See page 64)