

**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*.

**DAIRY SCIENCE****DS 11A-B. Introduction to Dairying (3-3) (Former DH 11A-B)**

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)

**DS 53. Market Milk (3) (Former DI 53)**

Prerequisite: DS 11A-B or permission of instructor. Principles of market milk production, processing and distribution; modern processing methods and equipment. (2 lecture, 3 lab hours)

**DS 55. Dairy Cattle Judging (2) (Former DH 55)**

Prerequisite: DS 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)

**DS 56. Dairy Cattle Selection (2) (Former DH 56)**

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

**DS 58. Judging Dairy Products (2) (Former DI 108)**

Prerequisite: DS 11A-B, 103, 104. Practice in scoring and grading dairy products; methods of control of defects. (1 lecture, 3 lab. hours)

**DS 73. Dairy Plant Practice (3) Summer only (Former DI 73)**

Open only to dairy industry majors. Prerequisite: DS 11A-B or permission of instructor. Six weeks of practical experience or its equivalent in an approved dairy processing plant. Written reports required.

**DS 102. Dairy Farm Management (3) (Former DH 102)**

Prerequisite: DS 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)

**DS 103. Butter Making (3) (Former DI 103)**

Prerequisite: DS 53 or permission of instructor. Production, grading, and marketing of cream for butter; manufacture and marketing of butter; modern equipment used in manufacturing and packaging. (2 lecture, 3 lab hours)

**DS 104. Cheese Making (3) (Former DI 104)**

Prerequisite: DS 53 or permission of instructor. Methods of manufacturing common varieties of cheese; types of cheese common to the San Joaquin Valley. (2 lecture, 3 lab hours)