

**141. Fruit Diseases and Pests (3) (Former V 110)**

Fruit diseases and pests; identification and control; application of sprays, insecticides; establishment of control programs. (2 lecture, 3 lab hours)

**151. Properties of Pesticides (3) (Former Ag 159)**

Prerequisite: Chem 8. Physical and chemical properties of the principal insecticides, fungicides, and nemotocides; formulations, regulations, and typical uses.

**161. Plant Nematology (3)**

Prerequisite: Biol 1B or equivalent. Morphology, life history, parasitic activity, and control of economically important nematodes with emphasis of plant-parasitic forms. (2 lecture, 3 lab hours)

**171. Plant Pathology (4) (Former Ag 130)**

Prerequisite: Bot 1. Nature, cause, and control of plant disease in economic agriculture plants. (2 lecture, 6 lab hours)

**AGRONOMY (PLSc)****13. Agronomy (3) (Former CP 11)**

Principles of crop production, survey of important field crops, production methods and major uses in California and the San Joaquin Valley. (2 lecture, 3 lab hours; 2 Saturday field trips)

**23. Forage Crops (3) (Former CP 51)**

Prerequisite: PLSc 13 or permission of instructor. Irrigated forage crops of California as related to livestock enterprises; cultural methods, harvesting, marketing, quality, insect and disease control. (2 lecture, 3 lab hours)

**33. Fiber and Oil Crops (3) (Former CP 52)**

Prerequisite: PLSc 13. Fiber and oil crops, cotton, flax, ramie, castor beans, safflower, common to the San Joaquin Valley; cotton production; varieties and improvement, cultural methods, harvesting and marketing. (2 lecture, 3 lab hours)

**43. Cereal Crops (3) (Former CP 53)**

Prerequisite: PLSc 13. Cereal crops common to the San Joaquin Valley; varieties and cultural practices, harvesting and marketing. (2 lecture, 3 lab hours)

**113. Seed Production (3) (Former CP 103)**

Prerequisite: PLSc 13 or permission of instructor. Principles and practices in the culture of vegetable and field crops for seed production; harvesting, storage, yields, quality, seed laws, certification, seed cleaning, and marketing. (2 lecture, 3 lab hours)

**123. Cotton Technology (3) (Former CP 105)**

Prerequisite: PLSc 33 or equivalent. Cotton harvesting, processing, marketing, utilization, and testing; cotton fiber technology. (2 lecture, 3 lab hours)

**173. Range Management (3) (Former CP 118)**

Prerequisite: PLSc 13 or permission of instructor. Identification of range forage; estimating carrying capacity; methods of range conservation, controlled grazing, water development, rodent control, fertilization, reseeding, brush removal; identification of poisonous plants. (2 lecture, 3 lab hours; 1 Saturday field trip)

**183. Cotton Classing (2) (Former CP 152)**

Characteristics of classes and grades of cotton; practical work in classing cotton; cotton quality as related to grade, staple, and utilization. (1 lecture, 3 lab hours)