Additional Requirements

In addition, General Agriculture majors must complete the following cours Ag 1, 112, 130, 136; Biol. 1a or 1b, 120, Bot. 1 or Zool. 1; Chem. 2a-b, 8; Econ. Math B or equivalent. A total of 128 semester units are required for graduatio

Courses

NOTE: Active immunization against tetanus (available through the Student Hea Service) is a prerequisite for registration in any laboratory course in agricult and for any student employment on the College Farm.

AGRICULTURE

Ag 1. Agricultural Orientation (1) F B
Survey of agriculture and its related agencies; job opportunities.

Ag 13. Pest Control (3) F R. D. Harri
Survey of the pest control field; insects, plant diseases, rodents, and weeds importance in agriculture and around the home; methods, materials, and equipm used for their control. (2 lecture, 3 lab hours)

Ag 20. General Microbiology (4) (See Bact. 20) J. C

Ag 31. Agricultural Economics (3) F B
Prerequisite: Econ. 1a. Farm credit, taxation, marketing and commodity pro lems; government agencies and farm price structures.

Ag 40. Projects (1) F and S St
Maximum total credit 6 units.

Ag 105. Plant Quarantine Laws (3) F R. D. Harris
For students interested in county, state, or federal inspection work. Feder California state, and county laws relating to plant quarantine to prevent the intr duction and spread of agricultural pests as outlined in the Agricultural Code of t State of California.

Ag 106. Economic Entomology (3) (Same as Entom. 106) Re
Prerequisite: Biol. 1a or 1b. General and economic entomology; taxonom of the principal orders of insects; life histories, habits, recognition, and control some of the principal agriculture insect pests of the San Joaquin Valley. (2 lectu 3 lab hours, field trips)

Ag 112. Farm Management (3) S (Former AH 112) Ball-Gli
Prerequisite: junior standing. Survey of farm management; basic economic pri ciples relating to farm management; organizing the individual farm unit; balanci crop and livestock enterprises; farm business administration. (2 lecture, 3 lab hour

Ag 113. Apiculture (2) S R. D. Harris
Fundamentals of beekeeping; manipulation of the hive; diseases and enemies bees; nectar sources and pollination problems; production and marketing of hon and beeswax; laws and regulations pertaining to beekeeping. (1 lecture, 3 lab hour

Ag 114. California Fruit and Vegetable Standards (3) S (Former Ag 14) R. D. Harris
For students interested in government fruit inspection. California laws and en forcement of regulations for packing or shipping fruits, nuts and vegetables. (2 lec ture, 3 lab hours)

Ag 130. Plant Pathology (4) S (Same as Bact. 130) R. D. Harrison
Prerequisite: Bot. 1. Nature, cause and control of plant disease in economic agriculture plants. (2 lecture, 6 lab hours)

Ag 136. Soils (3) F and S Strong
Physical and chemical properties of soils influenced by climate, parent material, topography, organisms, and time; use, interpretation and evaluation of soil practices and research, including soil maps, field experiments, fertilizers, physical and chemical analysis. (2 lecture, 3 lab hours; one Saturday field trip)

Ag 146. Irrigation (3) F and S Strong
Methods of irrigation adapted to the San Joaquin Valley; water requirements of various crops and methods of application. (2 lecture, 3 lab hours; 1 Saturday field trip)

Ag 151. Farm Accounting (3) F Glim
Prerequisites: Econ. 1a; Bus. Ad. 27; or permission of instructor. Farm accounting systems, farm records, budgets, income tax returns. (2 lecture, 3 lab hours)

Ag 159. Spray Materials (2) F (Former Ag 59) R. D. Harrison
Prerequisites: Chem. 2a-b. Development of agricultural chemical industry; chemical properties of compounds used as insecticides, fungicides, rodenticides and herbicides; formulations, regulations and typical uses of these materials. (1 lecture, 3 lab hours)

Ag 180. Special Problems (1-4) F and S Staff

Ag 182. Soil Management (3) S Strong
Prerequisites: Ag 136 or equivalent, Chem. 2a-b. Factors affecting soil fertility, management of soils, attaining continuous maximum productivity. Physical, chemical and field tests on soil fertility, crop and livestock soil management. (2 lecture, 3 lab hours; one week-end field trip)

Ag 184. Advanced Irrigation (3) S Strong
Prerequisite: Ag 146 or equivalent. Evaluation of the equipment design, operation, soil and crop response of methods of irrigation, sprinkler methods; pipe line and other methods featuring water control, soil and water conservation. (2 lecture, 3 lab hours; one week-end field trip)

Ag 186. Methods of Teaching General Agriculture (3) F and S Ball
Prerequisites: Educ. 185; Educ. 131 or permission of instructor. Philosophy and teaching techniques in general agriculture; organization of teaching materials; professional standards for teachers.

Ag 190. Independent Study (1-5) F and S (see page 64) Staff

GRADUATE COURSE

(See page 85)

Ag 280. Seminar in Agriculture (3)
Maximum total credit 9 units in any given area or any combination of the three areas. Prerequisite: B.S. degree in agriculture or permission of instructor. Advanced problems in agriculture; research and experimentation in a selected area: animal science, plant science, or agricultural mechanics.