

**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 61)**

**Staff**