

PLANT SCIENCE DEPARTMENT

(In the Agriculture Division)

Principal Vocational Instructors: Biehler (Chairman), Braun, Ilg, Petrucci, Strong

Senior Vocational Instructor: LeValley

Intermediate Vocational Instructors: R. D. Harrison, Karle, Van Elswyk

Junior Vocational Instructor: Gamble

Part-time: C. Graham, Skofis

The Plant Science Department offers majors in agribusiness, agricultural inspection and services, agronomy, horticulture, ornamental horticulture, and viticulture and enology.

The department has excellent facilities for classroom and laboratory work. The agriculture classroom building is well equipped and provides laboratory facilities for soils and irrigation, cotton classing, grains and grasses, horticulture, viticulture, plant disease, and ornamental horticulture. The College Farm includes a 160-acre vineyard, 105 acres of orchard, 15 acres for the nursery, and adequate acreage for cotton, corn, grain, and vegetable crop projects. A part of the College Farm is planted to permanent pasture and hay crops for livestock. The entire 1,190 acres is used as a working laboratory. A horticulture and viticulture packing shed and a raisin processing plant make it possible for students to pack out and process their own fruit, grapes, and raisins grown in the project program.

The *agribusiness* major with an option in plant science prepares students for positions in areas such as agricultural sales, including seeds, fertilizers, insecticides, weedicides, herbicides and fungicides; appraising for insurance companies and banks; fruit, grain, and vegetable buying; management, credit, accounting and other office work in related agricultural industry; and general farming.

The *agricultural inspection and services* major prepares students for job opportunities in civil service positions with county, state, and federal agencies. These agencies employ inspectors to enforce the agricultural laws and regulations which have been established for the protection of various agriculture enterprises. This major will also qualify students for sales positions with chemical and insecticide companies.

The *agronomy* major prepares students for field crop production and for general farming involving combinations of both crops and livestock; for placement in such fields as service and sales in seeds, weed and pest control, and fertilizers; as research assistants; as fieldmen with chemical companies; positions in the Soil Conservation Service; gin managers; for county, state and federal government employment as agronomists; and as farm foremen.

The *horticulture* major prepares students for general fruit farming, managers of orchards, inspectors in fruit processing plants, supervisory positions in fruit packing plants, and for careers with county, state, and federal agencies.

The *ornamental horticulture* major prepares students for the nursery industry, landscaping and grounds work, sales positions, and teacher education in general agriculture.

The *viticulture and enology major with enology option* prepares students for positions in the California wine industry. Typical positions include laboratory technicians, cellar foremen, plant sanitarians, wine chemists, processing department supervisors, production managers, and winery and vineyard fieldmen.

The *viticulture and enology major with viticulture option* prepares students for a wide variety of jobs, such as vineyard foremen, extension assistants, inspectors for raisin plants, grape buyers, field and plant representatives, shipping clerks, salesmen of chemical supplies and insecticides. Many graduates return to farms where they operate their own vineyards.