

# CREDIT COURSES

## AGRICULTURE

### **AG V03 - PLANT BIOLOGY - 3 Units**

Hours: 2 lecture, 3 laboratory weekly

This course is a study of the practical aspects of plant growth, environmental relationships, physiology, structures, function, reproduction, and evolution. Basic concepts of biology will be illustrated utilizing the identification and study of important economic crops. Independent study projects and field laboratories are required.

Field trips will be required. Formerly Ag 3. Transfer credit: CSU; UC. **CAN AG 8.**

### **AG V04 - SOIL AND WATER SCIENCE - 3 Units**

Hours: 2 lecture, 3 laboratory weekly

This course explores the scientific aspects of vegetative management as related to understanding physical, chemical and biological soil properties. Current water and irrigation topics including sources, quality, distribution and management to be reviewed. Analysis of plant nutrient needs and technical methods of evaluation and application will be discussed.

Field trips will be required. Formerly Ag 4. Transfer credit: CSU; UC. **CAN AG 14.**

### **AG V21 - INTRODUCTION TO PEST MANAGEMENT - 3 Units**

Hours: 3 lecture weekly

A survey of and orientation to current laws, regulations and licensing requirements affecting individuals, businesses and agencies involved in pest management programs. Emphasis is on safety, environmental issues, equipment use and preparation for state licensing and certification examinations. Participants will receive worker safety certification and will qualify for state examinations. Continuing education credit will be granted to licensed persons upon successful completion of course.

Field trips may be required. Formerly Ag 21. Transfer credit: CSU.

### **AG V22 - INSECTS AND DISEASES OF PLANTS - 3 Units**

Hours: 2 lecture, 3 laboratory weekly

This course includes the symptoms, identification and control of common insects and diseases as applied to agricultural and horticultural crops. Natural, cultural, mechanical and chemical controls are studied; and management techniques toward prevention of pest problems.

Field trips may be required. Formerly Ag 22. Transfer credit: CSU.

### **AG V23 - WEED, VERTEBRATE AND NEMATODE MANAGEMENT - 3 Units**

Hours: 3 lecture weekly

Students will learn to identify and develop management programs for common, noxious and poisonous California weeds. This course will review allergenic plants and various rodent, bird, and fish population problems. Emphasis will be on life habits, environmental concerns, damage, and control practices. Techniques for nematode sampling, recognition, and regulation will be discussed.

Field trips may be required. Formerly Ag 23. Transfer credit: CSU.

### **AG V45 - TREE MANAGEMENT - 3 Units**

Hours: 2 lecture, 3 Laboratory weekly

In this course, students will learn to identify and manage trees and large shrubs planted in southern California landscapes. Techniques for planting, pruning, staking, pest management, and general care will be emphasized. Students will gain practical experience in all aspects of tree management including trimming, repair and hazard evaluation.

Field trips may be required. Formerly HORT V45. Transfer credit: CSU.

### **AG V54 - CONSERVATION OF NATURAL RESOURCES - 3 Units**

Hours: 3 lecture weekly

This course includes a consideration of the conservation issues of the renewable and nonrenewable natural resources. Included in this list are water, energy sources, air, soil, grasslands, forests, wildlife, agriculture factors and certain minerals. Methods and techniques of the subject are emphasized.

Field trips may be required. Formerly Ag 54. Transfer credit: CSU; UC.

### **AG V60A-Z - TOPICS IN AGRICULTURE - .5-6 Units**

Prerequisite: varies with topic

Hours: lecture and/or laboratory as required by unit formula

These courses consider topics not covered in detail by other agriculture offerings.

Field trips may be required. Transfer credit: determined by transfer institution.

### **AG V88 - AGRICULTURE WORKSHOPS - .5-10 Units**

Prerequisite: varies with topic

Hours: lecture and/or laboratory as required by unit formula.

Designed to meet specific needs of the college and community, as required and requested by persons whose needs in this area are not met by present course offerings.

Fees may be required. Courses with same title may not be repeated; may be taken for a maximum of 4 times. Formerly AG V89.

### **AG V90 - DIRECTED STUDIES IN AGRICULTURE - 1-4 Units**

Prerequisite: varies with topic

Hours: lecture and/or laboratory as required by unit formula

This course offers specialized study opportunities for students with intermediate skills, who wish to pursue projects not included in the regular curriculum. Students are accepted only by written project proposal approved by the discipline prior to enrollment.

Field trips may be required. May be taken for a maximum of 4 times not to exceed 6 units. Formerly Ag 90. Transfer credit: CSU.