

AGRICULTURE (AG)

AG 001 AG, Society, & the Environment

3unit(s)

Hours: 3 Lecture/Discussion

The sociology of agriculture (Ag) is presented through examination of relationships between societies and their environments, economics and Ag. Emphasis is on analysis of agriculture's use of technology and the corresponding impact on the environment, economy, and society.

AG 002 Environmental Conservation

3unit(s)

Hours: 3 Lecture/Discussion

A study of the world's environment, including the study of food and fiber systems, ecology, populations, environmental pollution, bioterrorism, and conservation of natural resources. Students will participate in field tours to examine natural and altered habitats and threats to society and the environment.

AG 003 Economic Entomology

3unit(s)

Hours: 3 Lecture/Discussion Hours:

1 Lab

The study of the insects and mites of economic importance to agriculture, including morphology, taxonomy, identification, life cycles, hosts, habitat relationships, and control methods. Collection and labeling of specimens will be required. Laboratory required. Recommended for Pest Control Advisors' licensing. (C-ID AG-PS 144L)

AG 004 Soil Science

3unit(s)

Hours: 3 Lecture/Discussion Hours:

1 Lab

This is an agricultural science course that provides basic knowledge of the physical, chemical and biological properties of soil. It includes soil-forming factors, plant-soil-water relationships, soil pH and salinity, plant nutrition, fertilizers, and soil conservation.

Advisory on Recommended Preparation: PLSI 001 or equivalent college course with a minimum grade of C. (C-ID AG-PS128L)

AG 107 Agriculture Education Orientation

3unit(s)

Hours: 3 Lecture/Discussion Hours:

1 Lab

This course is an overview of Agriculture Education in California. Through class instruction and field experience, students will learn the principle components of teaching agriculture; develop academic and career plans; and observe a secondary agriculture classroom.

Advisory on Recommended Preparation: ENGL 261 or equivalent college course with a minimum grade of C or eligibility for ENGL 001 as determined by COS Placement Procedures (<https://catalog.cos.edu/placement-procedures/>); ENGL 001 may be taken concurrently.

AG 110 Ag Leadership

3unit(s)

Hours: 3 Lecture/Discussion Hours:

1 Lab

This course will build student leadership skills. Students will learn management and leadership skills, communication skills, critical thinking skills and project management skills. Students will have the opportunity to apply these skills through various leadership activities. These leadership opportunities may include, but are not limited to, leadership seminars, conferences, industry presentations, classroom presentations and agriculture ambassador programs at the local, regional and state level.

AG 125 Principles of Pesticide Use

3unit(s)

Hours: 3 Lecture/Discussion

Covers federal and California pesticide laws, safety, application equipment and types of pesticides. Includes basic information for use in preparation for state pesticide certification.