

Animal Sciences and Agricultural Education

ASCI 187. Equestrian (2 units)
Women only. (See ATHL 181.)

ASCI 190. Independent Study (1-3; max total 6 units)
See *Academic Placement — Independent Study*. Approved for *RP* grading.

ASCI 194. Agricultural Internship (1-8; max total 8 units)
Prerequisites: junior or senior standing and approval of internship committee. This course to be used by students doing off-campus, industry-related internships only. Emphasis on development of decision-making ability through industrial experience integrated with basic principles acquired in the classroom. *CR/NC* grading only.

ASCI 196. Enterprise Management (1-3; max total 6 units)
Prerequisites: ASCI 21 or 31 or 41 or 51 or 61 or 91; MEAG 3 or 5; or permission of instructor; concurrent participation in project program required. Theory and field application of management principles in beef, sheep, swine, horses, dairy cattle, or poultry. Other appropriate animal science enterprises. Approved for *RP* grading.

Agricultural Education (AGED)

AGED 50. Orientation to Agricultural Education (3 units)
An overview of agricultural education in California, including the principle components of agricultural education, developing academic and career plans, and observation in a secondary agricultural classroom. Two-hour lecture and three-hour school site observation laboratory. *CR/NC* grading only.

AGED 66. Agricultural Communications (3 units)
Agricultural news and information gathering and dissemination to food producers and consumers through print/broadcast media and computer networks; mass communications writing, editing, and simulated electronic presentations. (Formerly AGBS 166)

AGED 80. Undergraduate Research (1-4; max total 4 units)
Open to freshmen and sophomores with permission of instructor. Exploratory work on a suitable agricultural problem in agricultural education. Approved for *RP* grading.

AGED 115. FFA Activities (2; max total 4 units)
Organization and administration of various FFA activities. Parliamentary procedure and meeting organization; committee work and structure.

AGED 120. Leadership and Communication (2; max total 4 units)
Develops student leadership and communication skills. Through class instruction and field experience, students will learn team building, speaking ability, self-confidence, and communication skills. Students will develop their own recruitment and teaching information and integrate this material into presentation software.

AGED 120S. Leadership and Communication (2; max total 4 units)
Develops student leadership skills, self-confidence, and oral and written communication skills. Students experience the benefits of volunteerism through participation in various service-learning activities within their community, industries, and the university. Approved for *RP* grading.

AGED 135. Introduction to Agricultural Education (3 units)
Survey of agricultural education in California, including qualifications for teaching agriculture, structure and content of vocational agriculture programs. Supervision of vocational youth organizations.

AGED 150. Agricultural Resources and Computer Applications (3 units)
Prerequisite: junior standing or permission of instructor; 12 upper-division units in the major. Development and application of techniques for obtaining and using resource materials including government documents, university and experiment station reports. Development of computer skills utilized in agricultural education. (2 lecture, 2 lab hours)

AGED 160T. Topics in Agriculture (1-4; max total 6 per discipline if no topic repeated)
Prerequisites: junior standing and permission of instructor. Agricultural education. Topics may require lab hours.

AGED 166. Agricultural Publication Production (3 units)
Application of various skills, including writing, editing and layout, in producing agricultural publications, with an emphasis on computer software applications for publishing.

AGED 180. Undergraduate Research (1-4; max total 4 units)
Open to juniors or seniors with permission of instructor. Exploratory work on a suitable agricultural problem in agricultural education. Approved for *RP* grading.

AGED 187. Organization, Administration, and Supervision of Agricultural Education (3 units)
Prerequisite: senior standing. A study of the California and federal plans for vocational education as they pertain to agricultural education.

AGED 189. Education in Agricultural Mechanics (3 units)
Prerequisites: MEAG 1; junior standing. Strategies for organizing, teaching, and administering educational programs in agricultural mechanics for youth and adults.

AGED 190. Independent Study (1-3; max total 6 units)
See *Academic Placement — Independent Study*. Approved for *RP* grading.

GRADUATE COURSES

The following courses are open to students who have been accepted into the graduate program. Students who are not in graduate standing should contact the department graduate coordinator prior to enrolling.

Agriculture (AGRI)

AGRI 200. Biometrics in Agriculture (3 units)
Prerequisite: PLANT 99, AGBS 71, or MATH 101, or permission of instructor. Advanced concepts in the design of agricultural experiments. Emphasis is placed on the selection of appropriate designs to meet the objectives of well-planned experiments. Relative merits of various designs and topics in analysis, interpretation, and regression are covered.

AGRI 201. Agricultural Laboratory Techniques (3 units)
Prerequisite: One of the following courses: BIOL 161; CHEM 105, 129A, 151; FSC 115. Agricultural problem solving through the application of advances in laboratory technology, crop management, foods, nutrition, soil and water quality. Theory and practice operation of scientific instruments and techniques are taught. Student-defined project and report required. (2 lecture, 3 lab hours)

AGRI 220. Research Methodology and Communications (3 units)
Critical literature review, quantitative and qualitative research design, scientific writing, questionnaire design and use, and presentation of research results. Ethical research issues examined. Approved for *RP* grading.