AGRICULTURE (AG)

AG Courses

AG 200. Special Problems for Undergraduates. 1-2 units
CR/NC
Term Typically Offered: F, W, SP
Prerequisite: Consent of rodeo coach/instructor.

Individual investigation, research, studies, or surveys of selected problems. Total credit limited to 4 units, with a maximum of 2 units per quarter. Credit can only be used to satisfy free electives. Credit/No Credit grading only.

AG 243. Theory and Practice of Rodeo. 2 units
CR/NC
Term Typically Offered: F, W, SP
Prerequisite: Consent of rodeo coach/instructor.

Beginning through advanced skills in the event areas of college rodeo. Areas include saddle bronc, bareback, and bull riding; calf, team, and breakaway roping; steer wrestling, goat tying, and barrel racing. Minimum of 10 hours of laboratory per week. Total credit limited to 8 units. Credit/No Credit grading. Enrollment limited to those qualified to compete in intercollegiate rodeo.

AG 315. Organic Crop Production. 4 units
GE Area F
Term Typically Offered: SP
Prerequisite: Junior standing and completion of GE Area B.

Origins, application, regulation and technology of organic crop production. Theoretical and practical issues surrounding organic crop production from a cross-disciplinary perspective. Topics include the history of the organic movement; current regulation and certification; and field management practices and technologies. Features industry guest lecturers. 3 lectures, 1 activity. Crosslisted as AEPS/AG 315. Fulfills GE Area F.

GE Area F
Term Typically Offered: TBD

Scientific investigation of the natural features of the Cal Poly landscape and their transformations by land management technology. Analysis of the environmental, economic, social, and political effects of agriculture, resource extraction, and construction technology on that landscape. Emphasis on the educational, land-use, and long term planning issues of technology presented by this case study. 4 lectures. Prerequisite: Junior standing and completion of GE Areas A and B. Crosslisted as AG/ISLA/UNIV 330. Fulfills GE Area F.

AG 339. Internship in Agriculture. 1-12 units
CR/NC
Term Typically Offered: F, W, SP
Prerequisite: Consent of internship instructor.

Selected students will spend up to 12 weeks with an approved agricultural firm engaged in production or related business. Time will be spent applying and developing production and managerial skills and abilities. One unit of credit may be allowed for each full week of completed and reported internship. Credit/No Credit grading.

AG 350. The Global Environment. 4 units
GE Area F
Term Typically Offered: F
Interdisciplinary investigation of how human activities impact the Earth’s environment on a global scale. Examination of population, resource use, climate change, and biodiversity from scientific/technical and social/ economic/historical/political perspectives. Use of remote sensing maps. Sustainable solutions. 4 lectures. Prerequisite: Junior standing and completion of GE Areas A and B. Crosslisted as AG/EDES/ENGR/GEOG/ISLA/SCM/UNIV 350. Fulfills GE Area F.

AG 360. Holistic Management. 4 units
GE Area F
Term Typically Offered: F, W, SP
Prerequisite: Consent of rodeo coach/instructor.

Application of holistic management, a goal-oriented, value-driven framework for making decisions that are ecologically, economically, and socially sound. Impact of technology and other tools on ecosystem processes. Holistic approach to management, especially of land-based resources, aimed toward greater biodiversity and sustainability. Not open to students with credit in AG 450. 3 lectures, 1 laboratory. Crosslisted as AG/ASCI 360. Fulfills GE Area F.

AG 400. Special Problems for Advanced Undergraduates. 1-2 units
CR/NC
Term Typically Offered: F, W, SP
Prerequisite: Consent of rodeo coach/instructor.

Individual investigation, research, studies, or surveys of selected problems. Total credit limited to 4 units, with a maximum of 2 units per quarter. Credit/No Credit grading only.

AG 450. Applied Holistic Management. 4 units
Term Typically Offered: F, W, SP
Prerequisite: One GE Area B2 course and junior standing.

Application of holistic management, a goal-oriented, value-driven framework for making decisions that are ecologically, economically, and socially sound. Impact of technology and other tools on ecosystem processes. Holistic approach to management, especially of land-based resources, aimed toward greater biodiversity and sustainability. Not open to students with credit in AG/ASCI 360. 3 lectures, 1 laboratory.

AG 452. Issues Affecting California Agriculture. 4 units
Term Typically Offered: W
Prerequisite: Junior standing.

Interactive seminars with speakers from government and industry covering policy and regulations affecting California agriculture. Students develop an understanding of agricultural policy and work in teams to develop a public presentation and position paper on a significant issue. Field trip to Sacramento required. 4 seminars.

AG 485. Cooperative Education Experience. 6 units
CR/NC
Term Typically Offered: TBD
Prerequisite: Sophomore standing and consent of instructor.

Part-time work experience in business, industry, government, and other areas of student career interest. Positions are paid and usually require relocation and registration in course for two consecutive quarters. Formal report and evaluation by work supervisor required. No major credit allowed; total credit limited to 12 units. Credit/No Credit grading only.
AG 495. Cooperative Education Experience. 12 units  
CR/NC  
Term Typically Offered: TBD  
Prerequisite: Sophomore standing and consent of instructor.  
Full-time work experience in business, industry, government, and other areas of student career interest. Positions are paid and usually require relocation and registration in course for two consecutive quarters. Formal report and evaluation by work supervisor required. No major credit allowed; total credit limited to 24 units. Credit/No Credit grading only.

AG 500. Individual Study. 1-6 units  
Term Typically Offered: F, W, SP  
Prerequisite: Consent of department head, graduate advisor and supervising faculty member.  
Advanced independent study planned and completed under the direction of a member of the college faculty. Total credit limited to 6 units.

AG 539. Graduate Internship in Agriculture. 1-9 units  
Term Typically Offered: F, W, SP  
Prerequisite: Consent of internship instructor.  
Application of theory to the solution of problems of agricultural production or related businesses in the field. Analyze specific management problems and perform general management assignments detailed in a contract between the student, the firm or organization, and the faculty advisor before the internship commences. Degree credit limited to 6 units.

AG 581. Graduate Seminar. 1 unit  
CR/NC  
Term Typically Offered: W  
Prerequisite: Graduate standing or consent of instructor.  
Advanced topics in agriculture and natural resources. Group study of current research and industry trends. Invited speakers covering a variety of topics. Total credit limited to 3 units. 1 hour seminar.

AG 585. Cooperative Education Experience. 6 units  
CR/NC  
Term Typically Offered: TBD  
Prerequisite: Graduate standing and consent of instructor.  
Advanced study analysis and part-time work experience in student’s career field; current innovations, practices, and problems in administration, supervision, and organization of business, industry, and government. Must have demonstrated ability to do independent work and research in career field. Total credit limited to 9 units. Credit/No Credit grading only.

AG 595. Cooperative Education Experience. 12 units  
CR/NC  
Term Typically Offered: TBD  
Prerequisite: Graduate standing and consent of instructor.  
Advanced study analysis and full-time work experience in student’s career field; current innovations, practices, and problems in administration, supervision, and organization of business, industry, and government. Must have demonstrated ability to do independent work and research in career field. Total credit limited to 9 units. Credit/No Credit grading only.

AG 598. Reading and Conference. 1-12 units  
CR/NC  
Term Typically Offered: F, W, SP  
Prerequisite: Graduate standing and instructor consent.  
Systematic development of an agricultural thesis research project including literature searches, reports and experimental design. Repeatable for up to 12 units. Credit/No Credit grading only.

AG 599. Thesis. 1-9 units  
Term Typically Offered: F, W, SP  
Prerequisite: Graduate standing and consent of instructor.  
Systematic research of a significant problem. Thesis will include problem identification, significance, methods, data analysis, and conclusion. Students must enroll every quarter in which facilities are used or advisement is received. Degree credit limited to 6 units.