

AGRICULTURE (AG)

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AG Courses

AG 2200 Special Problems for Undergraduates (1-3 units)

Term Typically Offered: F, SP

CR/NC

Prerequisite: Consent of rodeo coach or instructor.

Individual investigation, research, studies, or surveys of special problems. Repeatable to 6 units. Credit can only be used to satisfy free electives. Credit/No Credit grading only. Formerly AG 200.

AG 2210 Agricultural Leadership Experience (1 unit)

Term Typically Offered: F, SP

Participation in activities promoting personal growth and leadership development, including team work, cooperation, communication, problem solving, time management, and organization. Support CAFES in recruitment, public awareness, educational programs, campus tours, fundraising, and youth career development events. The Class Schedule will list subtitle selected. Repeatable up to 2 units. 1 activity. Formerly AG 210.

AG 2212 Leadership Experience: Cal Poly Rodeo (3 units)

Term Typically Offered: SP

Introduction to practical application of project and event management under the Rodeo program. Event planning, cooperation, communication, problem solving, teamwork, and organizational skills are emphasized. Participation in activities and events to support the Rodeo, focusing on Poly Royal Rodeo. 1 lecture, 2 activities.

AG 2243 Practical Applications in Rodeo (2 units)

Term Typically Offered: F, SP

CR/NC

Foundations and beginning skills in the event areas of rodeo. Safety, animal welfare, saddle bronc, bareback, and bull riding. Calf, team, and breakaway roping. Steer wrestling, goat tying, and barrel racing. Credit/No Credit grading only. 2 activities.

AG 3315 Principles of Organic Crop Production (3 units)

Term Typically Offered: SP

2026-28 or later: Upper-Div GE Area 2/5

2020-26 catalogs: Upper-Div GE Area B

Prerequisite: Junior standing; completion of GE Area 1 with grades of C- or better (GE Area A for the 2020-26 catalogs); completion of GE Area 2 with a grade of C- or better (GE Area B4 for the 2020-26 catalogs); and completion of GE Area 5 (GE Areas B1 to B3 for the 2020-26 catalogs).

Origins, application, regulation, and technology of organic crop production. Theoretical and practical issues surrounding organic crop production from a cross-disciplinary perspective. History of the organic movement, current regulation and certification, and field management practices and technologies. Features industry guest lecturers. Field trip required. 2 lectures, 1 activity. Crosslisted as AG/PLSC 3315. Fulfills GE Areas Upper-Division 2 or Upper-Division 5 (GE Area Upper-Division B for students on the 2020-26 catalogs). Formerly AG/PLSC 315.

AG 3330 Cal Poly Land: Nature, Technology, and Society (3 units)

Term Typically Offered: SP

2026-28 or later: Upper-Div GE Area 2/5

2020-26 catalogs: Upper-Div GE Area B

Prerequisite: Junior standing; completion of GE Area 1 with grades of C- or better (GE Area A for the 2020-26 catalogs); completion of GE Area 2 with a grade of C- or better (GE Area B4 for the 2020-26 catalogs); completion of GE Area 5A (GE Area B1 for the 2020-26 catalogs); and completion of GE Area 5B (GE Area B2 for the 2020-26 catalogs).

Scientific investigation of the natural features of the Cal Poly landscape and their transformations by land management technology. Environmental, economic, social, and political effects of agriculture, resource extraction, construction technology. Educational, land-use, long term planning issues. Field trip required. 3 lectures. Crosslisted as AG/ISLA/SCM/UNIV 3330. Fulfills GE Areas Upper-Division 2 or Upper-Division 5 (GE Area Upper-Division B for students on the 2020-26 catalogs). Formerly AG/ISLA/SCM/UNIV 330.

AG 3339 Internship in Agriculture (1-12 units)

Term Typically Offered: F, SP

CR/NC

Prerequisite: Consent of instructor.

Career experience with an approved agricultural firm. Apply and develop production and managerial skills and abilities. Repeatable up to 12 units. Credit/No Credit grading only. Formerly AG 339.

AG 3350 The Global Environment (3 units)

Term Typically Offered: F, SP

2026-28 or later: Upper-Div GE Area 2/5

2020-26 catalogs: Upper-Div GE Area B

Sustainability Focused

Prerequisite: Junior standing; completion of GE Area 1 with grades of C- or better (GE Area A for the 2020-26 catalogs); completion of GE Area 2 with a grade of C- or better (GE Area B4 for the 2020-26 catalogs); and completion of GE Area 5 (GE Areas B1 to B3 for the 2020-26 catalogs).

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. Course may be offered in classroom-based, online, or hybrid format. 3 lectures. Crosslisted as AG/EDES/ENGR/GEOG/ISLA/SCM/UNIV 3350. Fulfills GE Areas Upper-Division 2 or Upper-Division 5 (GE Area Upper-Division B for students on the 2020-26 catalogs). Formerly AG/EDES/ENGR/GEOG/ISLA/SCM/UNIV 350.

AG 3360 Holistic Management (3 units)

Term Typically Offered: SP

2026-28 or later: Upper-Div GE Area 2/5

2020-26 catalogs: Upper-Div GE Area B

Prerequisite: Junior standing; completion of GE Area 1 with grades of C- or better (GE Area A for the 2020-26 catalogs); completion of GE Area 2 with a grade of C- or better (GE Area B4 for the 2020-26 catalogs); and completion of GE Area 5 (GE Areas B1 to B3 for the 2020-26 catalogs).

Application of holistic management, a goal-oriented, value-driven framework for making ecologically, economically, and socially sound decisions. Holistic approach to management, especially of land-based resources, aimed toward greater biodiversity and sustainability. Field trip may be required. 2 lectures, 1 laboratory. Crosslisted as AG/ASCI 3360. Fulfills GE Areas Upper-Division 2 or Upper-Division 5 (GE Area Upper-Division B for students on the 2020-26 catalogs). Formerly AG/ASCI 360.

AG 4400 Special Problems for Advanced Undergraduates (1-3 units)

Term Typically Offered: F, SP

CR/NC

Prerequisite: Consent of instructor or rodeo coach.

Individual investigation, research, studies, or surveys of special problems. Repeatable up to 3 units. Credit/No Credit grading only. Formerly AG 400.

AG 4410 Advanced Agricultural Leadership Experience (1 unit)

Term Typically Offered: F, SP

Prerequisite: Consent of instructor. Recommended: AG 210 or AG 2210.

Participation in activities promoting personal growth and development from a leadership perspective. Attention on recruiting, organizing, and engaging volunteers. Team building, cooperation, communication, problem solving, time management, and organization skills are emphasized. Guiding students in serving others in major student activities. Class schedule will list subtitle selected. Repeatable up to 2 units. 1 activity. Formerly AG 410.

AG 4452 Leadership Seminar on Issues Affecting California Agriculture, Food Systems, and Natural Resources (4 units)

Term Typically Offered: TBD

Prerequisite: Consent of instructor.

Interactive seminars with speakers from government and industry covering policy and regulations affecting California agriculture, food systems and natural resources. Contemporary challenges in California agriculture, food systems, and natural resources. Field trip required. 4 seminars. Formerly AG 452.

AG 4485 Cooperative Education Experience (1-9 units)

Term Typically Offered: TBD

CR/NC

Prerequisite: Sophomore standing and consent of instructor.

Part-time work experience in business, industry, government, and other areas of career interest. Positions are paid, usually require relocation, and extend beyond one term. Formal report and evaluation by work supervisor required. Repeatable up to 9 units. Credit/No Credit grading only. Formerly AG 485.

AG 4495 Cooperative Education Experience (1-12 units)

Term Typically Offered: TBD

CR/NC

Prerequisite: Sophomore standing and consent of instructor.

Full-time work experience in business, industry, government, and other areas of career interest. Positions are paid, usually require relocation, and extend beyond one term. Formal report and evaluation by work supervisor required. Repeatable up to 12 units. Credit/No Credit grading only. Formerly AG 495.

AG 5500 Individual Study (1-3 units)

Term Typically Offered: F, SP

Prerequisite: Consent of department head.

Advanced independent study planned and completed under the direction of a member of the college faculty. Repeatable up to 6 units. Formerly AG 500.

AG 5539 Graduate Internship in Agriculture (1-6 units)

Term Typically Offered: F, SP

Prerequisite: Consent of 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 internship commences. Repeatable up to 6 units. Formerly AG 539.

AG 5581 Graduate Seminar (1 unit)

Term Typically Offered: SP

CR/NC

Prerequisite: Graduate standing or consent of instructor.

Advanced issues in agriculture and natural resources. Group study of current research and industry trends. Invited speakers covering a variety of issues. Repeatable up to 2 units. 1 seminar. Formerly AG 581.

AG 5585 Cooperative Education Experience (1-6 units)

Term Typically Offered: TBD

CR/NC

Prerequisite: Graduate standing and consent of instructor.

Advanced study analysis and part-time work experience in career field; current innovations, practices, and problems in administration, supervision, and organization of business, industry, and government. Positions are paid, usually require relocation, and extend beyond one term. Repeatable up to 6 units. Credit/No Credit grading only. Formerly AG 585.

AG 5595 Cooperative Education Experience (1-6 units)

Term Typically Offered: TBD

CR/NC

Prerequisite: Graduate standing and consent of instructor.

Advanced study analysis and full-time work experience in career field; current innovations, practices, and challenges in administration, supervision, and organization of business, industry, and government. Positions are paid, usually require relocation, and extend beyond one term. Repeatable up to 6 units. Credit/No Credit grading only. Formerly AG 595.

AG 5599 Thesis (1-6 units)

Term Typically Offered: F, 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. Repeatable up to 6 units. Formerly AG 599.