AGRICULTURE (AG)

AG Courses

AG 200. Special Problems for Undergraduates. 1-2 units
CR/NC
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 210. Agricultural Leadership Experience. 1 unit
Participation in activities that promote 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 topic selected. Total credit limited to 2 units. 1 activity.

AG 212. Leadership Practice: Poly Royal Rodeo. 3 units
Application of the management and operations of the Poly Royal Rodeo event taking place during Open House at Cal Poly. Principles and procedures in planning, organizing, financing, promoting, and managing a major collegiate rodeo and the rodeo industry are discussed. 1 lecture, 2 activities.

AG 243. Theory and Practice of Rodeo. 2 units
CR/NC
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 254. Introduction to Agricultural Leadership. 2 units
Orientation to leadership development in agriculture and related settings. Principles and techniques for developing leadership skills, including exploration of personal characteristics, technical skills, interpersonal influence, commitment, goals, and power necessary for effective leaders. Issues facing leaders in agriculture. 2 lectures.

AG 315. Principles of Organic Crop Production. 4 units
2020-21 or later; Upper-Div GE Area B
2019-20 catalog: GE Area B7
2017-19 or earlier catalog: GE Area F
Prerequisite: Junior standing; completion of GE Area A with grades of C- or better; and completion of GE Areas B1 through B4, with a grade of C- or better in one course in GE Area B4 (GE Area B1 for students on the 2019-20 or earlier catalogs).

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. Field trip required. 3 lectures, 1 activity. Crosslisted as AEPS/AG 315. Fulfills GE Upper-Division B (GE Area B7 for students on the 2019-20 catalog; GE Area F for students on earlier catalogs).

AG 330. Holistic Management. 4 units
2020-21 or later: Upper-Div GE Area B
2019-20 catalog: GE Area B7
2017-19 or earlier catalog: GE Area F
Prerequisite: Junior standing; completion of GE Area A with grades of C- or better; and completion of GE Areas B1 through B4, with a grade of C- or better in one course in GE Area B4 (GE Area B1 for students on the 2019-20 or earlier catalogs).

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 Upper-Division B (GE Area B7 for students on the 2019-20 catalog; GE Area F for students on earlier catalogs).
AG 400. Special Problems for Advanced Undergraduates. 1-2 units
CR/NC
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 410. Advanced Agricultural Leadership Experience. 1 unit
Prerequisite: AG 210.

Activities that promote personal growth and development from a leadership perspective. Special attention on recruiting, organizing, and engaging volunteers. Teambuilding, cooperation, communication, problem solving, time management, and organization skills are emphasized. Guiding students in serving others in major student activities. The Class Schedule will list topic selected. Total credit limited to 2 units. 1 activity.

AG 412. Advanced Leadership Practice: Poly Royal Rodeo. 3 units
Prerequisite: AG 212.

Management and oversight of AG 212 and Poly Royal Rodeo. Emphasis on becoming proficient in working as leaders and as a team with a focus on problem-solving. Annual evaluation of events and planning for the following year’s event while successfully mentoring new students. 1 lecture, 2 activities.

AG 413. Committee Management: Poly Royal Rodeo. 2 units
Prerequisite: AG 412.

Continued management of the Poly Royal Rodeo during Open House. Oversight of volunteers and committee members as well as interacting with attendees of the event. Emphasis on leadership and problem solving while working toward building a new management team. 1 lecture, 1 activity.

AG 450. Applied Holistic Management. 4 units
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
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 454. Agricultural Leadership Capstone. 2 units
Prerequisite: AGED 404 and senior standing.

Culminating leadership experience. Appraise strengths and areas of personal growth, analyze effective strategies in leading others, examine collegiate experiences, and construct a leadership philosophy integrating the research-based leadership theory, skills and traits explored. 1 lecture, 1 activity.
AG 595. Cooperative Education Experience. 12 units
CR/NC
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
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
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.