issues facing leaders in agriculture. 2 lectures. 
Principles and techniques for developing leadership skills, including 
Interdisciplinary investigation of how human activities impact the Earth's 
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 
CR/NC 
AG 210. Agricultural Leadership Experience. 1 unit 
Participation in activities that promote personal growth and leadership 
AG 212. Leadership Practice: Poly Royal Rodeo. 3 units 
Application of the management and operations of the Poly Royal 
AG 243. Theory and Practice of Rodeo. 2 units 
CR/NC 
AG 254. Introduction to Agricultural Leadership. 2 units 
Orientation to leadership development in agriculture and related settings. 
AG 315. Principles of Organic Crop Production. 4 units 
Origins, application, regulation and technology of organic crop production. Theoretical and practical issues surrounding organic crop 
CR/NC 
Scientific investigation of the natural features of the Cal Poly landscape 
AG 339. Internship in Agriculture. 1-12 units 
Selected students will spend up to 12 weeks with an approved 
AG 350. The Global Environment. 4 units 
Interdisciplinary investigation of how human activities impact the Earth's 

AG 360. 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/ASCI 360. 3 lectures, 1 laboratory.

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 485. Cooperative Education Experience. 6 units
CR/NC
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
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 24 units. Credit/No Credit grading only.

AG 500. Individual Study. 1-6 units
Prerequisite: Consent of department head, graduate advisor and supervising faculty member.

Full-time work prepared for students pursuing graduate work in agriculture and related fields. Limited to 24 units. No major credit allowed; total credit limited to 12 units. Credit/No Credit grading only.

AG 539. Graduate Internship in Agriculture. 1-9 units
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
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
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
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.