

# AGRICULTURE-AGRI (AGRI)

## Courses

### AGRI 100 Contemporary Agricultural Systems Credit: 1 (0-3-0)

**Course Description:** Designed to bring together students from across the college in a singular course to become more agriculturally literate individuals and develop a sense of connection to the College of Agricultural Sciences and within the agricultural industry. Goals are achieved through quality field experience engagement, frequent reflection, and small group discussions centered around the depth and breadth of the diverse system of agriculture.

**Prerequisite:** None.

**Restrictions:** Must not be a: Junior, Senior. Must be a: Undergraduate.

**Registration Information:** Required field trips. Credit not allowed for both AGRI 100 and AGRI 181A1.

**Term Offered:** Fall.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

### AGRI 116 Plants and Civilizations (GT-SS3) Credits: 3 (2-0-1)

**Also Offered As:** IE 116.

**Course Description:** Plant origins and their relationships with cultures/civilizations as food, spices, perfumes, and medicines and in art, religion, wars, slavery, etc.

**Prerequisite:** None.

**Registration Information:** Must register for lecture and recitation. Credit not allowed for both AGRI 116 and IE 116.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**Additional Information:** 1C, Human Behavior, Culture, or Social Frameworks (GT-SS3).

### AGRI 192 Orientation to Agricultural Systems Credit: 1 (0-0-1)

**Course Description:** Freshman inquiry course in agriculture. Information and skills necessary to succeed in majors in the agricultural sciences.

**Prerequisite:** None.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

### AGRI 270 World Interdependence-Population and Food (GT-SS3) Credits: 3 (3-0-0)

**Also Offered As:** IE 270.

**Course Description:** Survey of world population and food; emphasis on understanding the problems and opportunities in a world context.

**Prerequisite:** None.

**Registration Information:** Credit not allowed for both AGRI 270 and IE 270.

**Term Offered:** Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**Additional Information:** 1C, Human Behavior, Culture, or Social Frameworks (GT-SS3).

### AGRI 292 Transfer Seminar Credit: 1 (1-0-0)

**Course Description:** The university and its resources, college success skills, careers in the various disciplines of agriculture; current issues in agriculture.

**Prerequisite:** None.

**Registration Information:** Intended for Transfer students.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

### AGRI 300 Issues in Agriculture Credits: 2 (2-0-0)

**Course Description:** Scientific, technical, cultural, and social issues facing agriculture, and their interrelationships.

**Prerequisite:** None.

**Registration Information:** Credit not allowed for both AGRI 300 and AGRI 500. Sections may be offered: Online.

**Term Offered:** Fall.

**Grade Modes:** S/U within Student Option, Trad within Student Option.

**Special Course Fee:** No.

### AGRI 330 Agricultural and Food System Ethics Credits: 3 (3-0-0)

**Also Offered As:** PHIL 330.

**Course Description:** Basic concepts in ethics and their application to agriculture and the food system.

**Prerequisite:** CO 150.

**Registration Information:** Credit not allowed for both AGRI 330 and PHIL 330.

**Term Offered:** Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

### AGRI 383 U.S. Travel-Integrated Resource Management Credits: 2 (0-2-1)

**Also Offered As:** NR 383.

**Course Description:** Evaluation of integrated ranch management decision alternatives in conjunction with professional resource managers.

**Prerequisite:** None.

**Registration Information:** Credit not allowed for both AGRI 383 and NR 383. Must register for laboratory and recitation. Required field trips.

**Term Offered:** Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

### AGRI 496A Group Study: General Credits: Var[1-12] (0-0-0)

**Course Description:**

**Prerequisite:** None.

**Terms Offered:** Fall, Spring, Summer.

**Grade Mode:** Instructor Option.

**Special Course Fee:** No.

### AGRI 496B Group Study: Agricultural Ambassadors Credits: Var[1-12] (0-0-0)

**Course Description:**

**Prerequisite:** None.

**Terms Offered:** Fall, Spring, Summer.

**Grade Mode:** Instructor Option.

**Special Course Fee:** No.

**AGRI 500 Advanced Issues in Agriculture Credits: 3 (2-0-1)**

**Course Description:** Scientific, technical, cultural, and social issues facing agriculture, and their interrelationships.

**Prerequisite:** None.

**Registration Information:** Must register for lecture and recitation.

Sections may be offered: Online. Credit not allowed for both AGRI 300 and AGRI 500.

**Term Offered:** Fall.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 510 Sustainable Agriculture Credits: 3 (3-0-0)**

**Course Description:** An interdisciplinary study comparing conventional and alternative land management practices, using an agroecosystem analysis approach.

**Prerequisite:** None.

**Registration Information:** Enrollment in INTO Master of Agriculture Pathways or graduate standing. Sections may be offered: Online.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 511A Study Abroad: Field Applications in Sustainable Agriculture Credit: 1 (0-0-1)**

**Course Description:** Travel to Todos Santos, Mexico for a seven day experience where in-the-field laboratory skills in sustainable agriculture are practiced. Investigate and implement unique, real-time initiatives developed in class while in Todos Santos.

**Prerequisite:** AGRI 510.

**Registration Information:** A minimum of a 2.5 GPA. This is a partial semester course.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 515 Urban Horticulture Credits: 3 (3-0-0)**

**Also Offered As:** HORT 515.

**Course Description:** Investigate and evaluate the techniques of incorporating food production systems in the urban and peri-urban environment.

**Prerequisite:** HORT 451 or HORT 453.

**Registration Information:** Credit not allowed for both AGRI 515 and HORT 515. Offered as an online course only.

**Term Offered:** Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 521 Emerging Issues and Challenges for Global Agr Credits: 3 (3-0-0)**

**Course Description:** Interdisciplinary course containing tools and knowledge to discuss the emerging challenges of the global agriculture, water, and food system.

**Prerequisite:** None.

**Registration Information:** Written consent of instructor. Offered as an online course only.

**Terms Offered:** Fall, Spring, Summer.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 545 Plant Tissue Culture Credits: 2 (2-0-0)**

**Course Description:** Theory, technology, and techniques of cell, organ, tissue, and protoplast culture of plants.

**Prerequisite:** BZ 440.

**Term Offered:** Fall (even years).

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 546 Principles of Cooperative Extension Credits: 3 (3-0-0)**

**Course Description:** Traditional and contemporary delivery systems of Cooperative Extension emphasizing structures of nonformal education.

**Prerequisite:** None.

**Registration Information:** Sections may be offered: Online.

**Terms Offered:** Fall, Spring, Summer.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 547 Delivery of Cooperative Extension Programs Credits: 4 (2-0-2)**

**Course Description:** Methods, techniques, and procedures in planning, implementation, and delivery of Cooperative Extension programs.

**Prerequisite:** None.

**Registration Information:** Written consent of instructor. Must register for lecture and recitation. Sections may be offered: Online.

**Term Offered:** Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 550 Capacity Building for a Changing Workplace Credits: 3 (3-0-0)**

**Course Description:** A framework for competence in workplaces applies situation analysis/problem-solving to solve real-life agricultural situations shared by experts.

**Prerequisite:** None.

**Registration Information:** Graduate standing in agricultural sciences. Sections may be offered: Online.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 562 Sociology of Food Systems and Agriculture Credits: 3 (2-0-1)**

**Also Offered As:** SOC 562.

**Course Description:** How agricultural choices generate intended and unintended consequences for human communities and the natural environment.

**Prerequisite:** SOC 100 or SOC 105.

**Registration Information:** Credit not allowed for both AGRI 562 and SOC 562.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 570 Issues in Animal Agriculture Credits: 2 (2-0-0)**

**Also Offered As:** VS 570.

**Course Description:** Issues that have a major impact on the direction of changes in animal agriculture.

**Prerequisite:** None.

**Registration Information:** Credit not allowed for both AGRI 570 and VS 570.

**Term Offered:** Fall (even years).

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 575 Livestock-Wildlife Conflict & Law Credits: 3 (3-0-0)**

**Course Description:** Investigation of the laws and policies surrounding livestock wildlife interaction and conflict at the federal, state, and international levels.

**Prerequisite:** AGRI 300 or AGRI 500 or AREC 342 or AREC 375 or NR 320 or NR 425 or POLS 361.

**Registration Information:** Graduate standing. Offered as an online course only. Credit not allowed for both AGRI 575 and AGRI 581A2.

**Term Offered:** Fall.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 587A Internship: Domestic Credits: Var[1-12] (0-0-0)**

**Course Description:**

**Prerequisite:** None.

**Registration Information:** Written consent of instructor. Maximum of 12 credits allowed for AGRI 587A-B. Sections may be offered: Online.

**Terms Offered:** Fall, Spring, Summer.

**Grade Mode:** Instructor Option.

**Special Course Fee:** No.

**AGRI 587B Internship: International Credits: Var[1-12] (0-0-0)**

**Course Description:**

**Prerequisite:** None.

**Registration Information:** Written consent of instructor. Maximum of 12 credits allowed for AGRI 587A-B. Sections may be offered: Online.

**Terms Offered:** Fall, Spring, Summer.

**Grade Mode:** Instructor Option.

**Special Course Fee:** No.

**AGRI 602 Bioenergy Policy, Economics, and Assessment Credits: 3 (2-2-0)**

**Course Description:** Bioenergy policy; economic principles applied to biofuel production; evaluation of environmental impacts on bioenergy production.

**Prerequisite:** AGRI 601 or ENGR 601.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Must register for lecture and laboratory.

**Term Offered:** Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 630 Integrated Decision Making/Management Skills Credits: 3 (3-0-0)**

**Course Description:** Motivation for management, decision making, introduction to systems, information management, introduction to statistics.

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Sections may be offered: Online.

**Term Offered:** Fall.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 631 Building the Business Credits: 3 (3-0-0)**

**Course Description:** Skills required to organize and implement a modern business enterprise with focus on land-based operations.

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Sections may be offered: Online.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 632 Managing for Ecosystem Sustainability Credits: 3 (2-2-0)**

**Course Description:** Impacts of ecological processes, use of mechanism-based understanding, and tools used to manage the ecosystem for sustainability.

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Must register for lecture and laboratory.

Sections may be offered: Online.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 633 Understanding and Managing Animal Resources Credits: 3 (2-2-0)**

**Course Description:** Evaluating nutritional requirements of a variety of animals, how and why requirements vary according to level of production.

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Must register for lecture and laboratory.

Sections may be offered: Online.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 634 Animal Production Systems Credits: 3 (2-2-0)**

**Course Description:** Developing animal management systems for a variety of animal species in a forage-based environment.

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Must register for lecture and laboratory.

Sections may be offered: Online.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 635 Integrated Forage Management Credits: 3 (3-0-0)**

**Course Description:** Development of management plans that integrate diverse forage resources including native rangeland and cultivated forages.

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Required field trips. Sections may be offered: Online.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 636 Analyzing and Managing the Business Credits: 3 (3-0-0)**

**Course Description:** Assimilating, preparing, and analyzing records; reading financial statements to manage a land-based business.

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Sections may be offered: Online.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 637 Understanding Policy and Emerging Issues Credits: 3 (3-0-0)**

**Course Description:** Origination, purpose, and policy effects on land-based enterprises; policy effects on management decisions.

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Sections may be offered: Online.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 638 Ecosystem Services on Agricultural Lands Credits: 3 (3-0-0)**

**Course Description:** Applies an economic lens to look at buying and selling ecosystem services. Learn about ecosystem services, but focus on how farmers, ranchers, and other extensive land users can profit from resources on agricultural properties. Examples include hunting and agrotourism. Dig deeper to find other potential ecosystem services. Create an ecosystem marketing plan on an actual farm, ranch or other appropriate properties.

**Prerequisite:** AGRI 630.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Offered as an online course only.

**Term Offered:** Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 639 Products to Profit Credits: 3 (3-0-0)**

**Course Description:** Marketing all aspects of the enterprise, beginning with land and forage resource and tracking all revenue generation.

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Sections may be offered: Online.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 640 Integrated Resource Management Plan Credits: 3 (3-0-0)**

**Course Description:** Formulation of an optimal land management plan for a specific site based on specific goals and objectives.

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Sections may be offered: Online.

**Terms Offered:** Fall, Spring.

**Grade Mode:** Traditional.

**Special Course Fee:** No.

**AGRI 684 Supervised College Teaching Credits: Var[1-2] (0-0-0)**

**Course Description:**

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Maximum of 4 credits allowed in course.

**Terms Offered:** Fall, Spring, Summer.

**Grade Mode:** S/U Sat/Unsat Only.

**Special Course Fee:** No.

**AGRI 692 Seminar Credit: 1 (0-0-1)**

**Course Description:**

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Terms Offered:** Fall, Spring, Summer.

**Grade Mode:** Instructor Option.

**Special Course Fee:** No.

**AGRI 695 Independent Study Credits: Var[1-12] (0-0-0)**

**Course Description:**

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Graduate cooperative program, Professional.

**Registration Information:** Sections may be offered: Online.

**Terms Offered:** Fall, Spring, Summer.

**Grade Mode:** Instructor Option.

**Special Course Fee:** No.

**AGRI 698 Research Credits: Var[1-6] (0-0-0)**

**Course Description:**

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** Sections may be offered: Online.

**Terms Offered:** Fall, Spring, Summer.

**Grade Mode:** Instructor Option.

**Special Course Fee:** No.

**AGRI 699 Thesis Credits: Var[1-6] (0-0-0)**

**Course Description:** Thesis.

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Terms Offered:** Fall, Spring, Summer.

**Grade Mode:** S/U Sat/Unsat Only.

**Special Course Fee:** No.