Agriculture-AGRI (AGRI)

Courses

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: Credit not allowed for both AGRI 116 and IE 116. Must register for lecture and recitation.
Terms Offered: Fall, Spring.
Grade Mode: Traditional.
Special Course Fee: No.
Additional Information: Global & Cultural Awareness 3E, 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: Global & Cultural Awareness 3E, 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 320A Computer Applications in Agriculture: Optimization Credit: 1 (0-2-0)
Course Description:
Prerequisite: BUS 150 or CS 110.
Term Offered: Spring.
Grade Mode: S/U Sat/Unsat Only.
Special Course Fee: No.

AGRI 320B Computer Applications in Agriculture: Data Base Credit: 1 (0-2-0)
Course Description:
Prerequisite: BUS 150 or CS 110.
Registration Information: Sections may be offered: Online.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

AGRI 320C Computer Applications in Agriculture: Communications Credit: 1 (0-2-0)
Course Description:
Prerequisite: BUS 150 or CS 110.
Registration Information: Sections may be offered: Online.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

AGRI 320D Computer Applications in Agriculture: Project Management Credit: 1 (0-2-0)
Course Description:
Prerequisite: BUS 150 or CS 110.
Registration Information: Sections may be offered: Online.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

AGRI 320E Computer Applications in Agriculture: Spreadsheets Credit: 1 (0-2-0)
Course Description:
Prerequisite: BUS 150 or CS 110.
Registration Information: Sections may be offered: Online.
Term Offered: Spring.
Grade Mode: Traditional.
Special Course Fee: No.

AGRI 320F Computer Applications in Agriculture: Presentation Technology Credit: 1 (0-2-0)
Course Description:
Prerequisite: BUS 150 or CS 110.
Registration Information: Sections may be offered: Online.
Term Offered: Spring.
Grade Mode: Traditional.
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 374  Professional Development Seminar  Credit: 1 (0-0-1)
Course Description: Assess personal workplace skills and strengths, including teamwork and decision-making, for use in career planning.
Prerequisite: None.
Restriction: Must be a: Junior, Senior, Senior - Post Bachelor, Senior - Second Bachelor.
Registration Information: Junior or senior standing.
Terms Offered: Fall, Spring, Summer.
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.
Restriction: Must register for laboratory and recitation. Required field trips.
Registration Information: Credit not allowed for both AGRI 383 and NR 383. Must register for laboratory and recitation. Required field trips.
Terms Offered: Spring.
Grade Mode: Instructor Option.
Special Course Fee: No.

AGRI 465  Pesticide Management  Credits: 3 (0-0-3)
Course Description: Reasons for and safe and correct pesticide use.
Prerequisite: None.
Restriction: Must register for laboratory and recitation. Required field trips.
Registration Information: Offered as correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

AGRI 466  Management of On-Farm Stored Grain  Credit: 1 (0-0-1)
Course Description: Basic principles of grain storage and management strategies for insects and fungi; chemical controls and safe pesticide use.
Prerequisite: None.
Restriction: Must register for laboratory and recitation. Required field trips.
Registration Information: Offered as correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

AGRI 467  Management and Control of Wood-Destroying Pests  Credits: 2 (0-0-2)
Course Description: Wood-destroying agents; wood preservative chemicals and treatment; industry regulations; labels; safety; environmental concerns.
Prerequisite: None.
Restriction: Must register for laboratory and recitation. Sections may be offered: Online.
Registration Information: Offered as correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

AGRI 468  Management and Control of Turfgrass Pests  Credits: 3 (0-0-3)
Course Description: Classification of turfgrass pests; pest management, control, environmental concerns, industry regulations; safety, skill in pesticide applications.
Prerequisite: None.
Restriction: Must register for laboratory and recitation. Sections may be offered: Online.
Registration Information: Offered as correspondence course only.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.

AGRI 487A  Internship: Domestic  Credits: Var[1-12]
Course Description:
Prerequisite: None.
Registration Information: Maximum of 12 credits allowed for AGRI 487 A-B.
Terms Offered: Fall, Spring, Summer.
Grade Mode: S/U Sat/Unsat Only.
Special Course Fee: No.

AGRI 487B  Internship: International  Credits: Var[1-12]
Course Description:
Prerequisite: None.
Registration Information: Maximum of 12 credits allowed for AGRI 487 A-B.
Terms Offered: Fall, Spring, Summer.
Grade Mode: S/U Sat/Unsat Only.
Special Course Fee: No.

AGRI 492  Seminar  Credits: Var[1-3]
Course Description:
Prerequisite: None.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

AGRI 495  Independent Study  Credits: Var[1-12]
Course Description:
Prerequisite: None.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.

AGRI 496  Group Study  Credits: Var[1-12]
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: Credit not allowed for both AGRI 500 and AGRI 300. Must register for lecture and recitation. Sections may be offered: Online.
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 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: 2 (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)
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 587A Internship: Domestic  Credits: Var[1-12]
Course Description:
Prerequisite: None.
Registration Information: 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]
Course Description:
Prerequisite: None.
Registration Information: 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 601 Bioenergy Technology  Credits: 3 (2-2-0)
Course Description: Science and engineering aspects of bioenergy production, including plant biology, fermentation, and biofuel properties.
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Credit not allowed for both AGRI 601 and ENGR 601. Must register for lecture and laboratory. Required field trips.
Term Offered: Fall.
Grade Mode: Traditional.
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: Within an economics framework, explores the unique management challenges involved in a modern, diversified agricultural operation.
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 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]
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]
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 698 Research  Credits: Var[1-6]
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]
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.