

AGRICULTURAL SCIENCES (AGRI)

AGRI 103 Introduction to Agricultural and Natural Resource Systems

Crosslisted with: NRES 103

Description: Agricultural and natural resource systems. The interrelationship and the impact of increased human involvement on these systems.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

Offered: FALL/SPR

AGRI 115 Biotechnology: Food, Health and Environment

Description: Application of biotechnology to genetically engineer, identify, select or propagate microbes, plants or animals. Scientists who use biotechnology to solve problems with the environment, with our food system, or with human health.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 4 Science

AGRI 192 Justin Smith Morrill Scholars Seminar

Prerequisites: Permission

Notes: Pass/NP

Description: Introduction to the Justin Smith Morrill Scholars Program. Discussion of critical issues facing society with an emphasis on food, agriculture, natural resources, and rural landscapes. Strategies to develop and implement issue-based civic engagement activities. Discussion of the Morrill Land-Grants Acts and the life and accomplishments of Justin Smith Morrill.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 2

Grading Option: Pass No Pass

AGRI 200 Introduction to Pesticides and Their Use

Description: Overview of pesticide uses and alternatives that influence the management of pest populations. Factors that must be considered in making decisions to utilize pesticides, including state and federal legal requirements. Completion of course will satisfy state and federal requirements for certification of private applicators applying "restricted use pesticides." Two field trips.

Credit Hours: 1-2

Min credits per semester: 1

Max credits per semester: 2

Max credits per degree: 2

Grading Option: Graded with Option

AGRI 205 Career Opportunities in Applied Sciences

Description: For Applied Science students to select an appropriate internship, formulate career goals, develop a resume, and improve academic success skills.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded with Option

AGRI 282 Introduction to Global Agricultural and Natural Resources Issues

Description: Overview of global relationships in agriculture and natural resources that affect Nebraska, the United States, and the world. Emphasis on gaining perspectives of the social, technological, economic, environmental, and political issues impacting the world food system.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 9 Global/Diversity

AGRI 299H Honors Thesis Seminar

Prerequisites: Admission to the University Honors Program.

Description: Preparation for conducting an undergraduate project to be used for an Honors or undergraduate thesis. Students explore philosophical aspects of scientific inquiry, including history, the scientific method, and ethics in science. Topics such as individual approaches to research, the selection of projects, time commitments and sources of funding for scholarly work presented by University faculty.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded

Prerequisite for: PLPT 499H

AGRI 310 Study Tours in International Agriculture

Description: Individual or group educational experience combining classroom lectures, discussions, and/or seminars with tours to broaden the student's knowledge of specific aspects of agriculture in some foreign country. Choice of subject matter and coordination of on- and off-campus study is at the discretion of the instructor.

Credit Hours: 1-5

Min credits per semester: 1

Max credits per semester: 5

Max credits per degree: 5

Grading Option: Graded with Option

ACE: ACE 9 Global/Diversity

AGRI 311 Study Tours in US Agriculture

Prerequisites: Permission.

Description: Individual or group educational experience combining classroom lectures, discussions, and/or seminars with off-campus tours to broaden the student's knowledge of specific aspects of US agriculture. Choice of subject matter and coordination of on- and off-campus study is at the discretion of the instructor.

Credit Hours: 1-5

Min credits per semester: 1

Max credits per semester: 5

Max credits per degree: 5

Grading Option: Graded with Option

AGRI 375 Innovations for Agriculture

Crosslisted with: PLAS 375, EAEP 375

Prerequisites: Junior or Senior class standing.

Description: Explore sustainability challenges in plant and animal agricultural systems, assess current solutions, and identify opportunities for innovation. Research, develop, prototype, test, and pitch an innovative product, service, or technology for agriculture.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded

Offered: FALL

AGRI 388 Employment Seminar

Crosslisted with: NRES 388

Prerequisites: Sophomore standing.

Description: Efficient job-hunting. Resumes, cover letters, mock interviews, and dining etiquette.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Pass No Pass

Prerequisite for: AGRI 395

Course and Laboratory Fee: \$25

AGRI 389 Agricultural Concerns Seminar

Description: Forum for the exchange of current information on rural issues and agricultural ethics. Includes guest speakers, film documentaries, group discussions, and panel discussions.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 2

Grading Option: Pass No Pass

AGRI 395 Applied Science Internship

Prerequisites: AGRI 388

Description: Provides Bachelor of Applied Science students academic credit for advanced work experiences in their area of specialization. Students are required to complete academic assignments such as a weekly journal, discussion and writing assignments in addition to their field-based responsibilities. This course takes place in a mentored, supervised setting and requires prior approval by the instructor.

Credit Hours: 1-3

Min credits per semester: 1

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Pass No Pass

AGRI 400 Job Survival

Prerequisites: Junior standing. AGRI/NRES 388 recommended.

Description: Job satisfaction, advancement strategies, benefits, and relocation.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Pass No Pass

AGRI 462 Invasive Pests and International Trade

Crosslisted with: AGRI 862

Notes: Offered fully online.

Description: Examination of the global issue of the impact of invasive pests on international trade, food production, and ability to feed increasing populations in the future. Focus on how local changes have biological, economic and social consequences at the global level and impact sustainability. Covers pest introductions and pathways, impact on global agriculture and trade, principles and practices in agricultural pest risk analysis and international cooperation.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

AGRI 485 Investigations in Applied Science

Prerequisites: Senior standing; completion of applied science degree core requirements.

Description: Application and integration of scientific principles and knowledge gained from courses, peer to peer and student to faculty discussions, internships, and other aspects of the applied science degree program.

Credit Hours: 3

Max credits per semester: 3

Max credits per degree: 3

Grading Option: Graded with Option

ACE: ACE 10 Integrated Product

AGRI 488 Teaching Undergraduate Science

Crosslisted with: AGRI 888, SCIL 488, SCIL 888

Description: The dynamics of undergraduate student learning. Begin to develop the reflective practice of progressive instructional improvement. Interpreting improved educational outcomes in terms of the ability of the instructor to manipulate undergraduate student interactions with instructional materials in an active learning environment.

Credit Hours: 1

Max credits per semester: 1

Max credits per degree: 1

Grading Option: Graded with Option

Offered: FALL

AGRI 496 Independent Study in Agricultural Sciences

Crosslisted with: AGRI 896

Prerequisites: Advanced approval of the plan of work and permission. **Description:** Individual or group projects in activities such as research, literature review, extension of course work, or preparation of teaching materials.

Credit Hours: 1-5

Min credits per semester: 1

Max credits per semester: 5

Max credits per degree: 12

Grading Option: Graded with Option