

AGRICULTURE - GENERAL (AGRI)

AGRI 101 The Science of Agriculture 3 Hours

Biological, chemical, and earth science concepts are related to agriculture. Intended for non-majors. Does not count toward agriculture major credit. **Colonnade/Statewide General Education Code NS**
Recent Term(s) Offered: spring 2020; fall 2020; fall 2022

AGRI 108 Rural Sociology 3 Hours

The study of rural social groups and interaction in rural and suburban America as well as in rural areas of the world. The influences of basic concepts of society and culture and the relationship of rural population, class, social institutions, and groups on rural social change. **Colonnade/Statewide General Education Code E-SB | SB**
Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; winter 2022; spring 2022; fall 2022

AGRI 175 University Experience – Agriculture 1 Hour

Designed to develop academic skills and library research skills, to foster personal development, and to provide information about campus resources, thus empowering students to have a successful transition to the higher education experience.
Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGRI 269 Cooperative Education in Agriculture I 1-3 Hours (repeatable max of 9 hrs)

Practical out-of-the classroom experience in a supervised work situation with a cooperating business, industry or governmental agency, emphasizing application of knowledge and skills in specified areas of agriculture. A maximum of 9 hours of cooperative education may apply toward a major in agriculture. Does not count toward agriculture minor credit.
Recent Term(s) Offered: fall 2020; spring 2021; fall 2021

AGRI 280 Introduction to Environmental Science 3 Hours

An introductory course devoted to the study of environmental issues. A general understanding of application of science to solution of contemporary environmental problems. **Colonnade/Statewide General Education Code E-NS | NS**
Recent Term(s) Offered: winter 2020; summer 2020; summer 2021; summer 2022; fall 2022

AGRI 291 Introduction to Data Analysis and Interpretation 3 Hours

Application of scientific method in acquiring new knowledge, interpretation of statistical research data; application of statistical concepts. Lecture and Laboratory.
Prerequisite(s): (MATH 116 (may be taken concurrently) or MA 116C (may be taken concurrently) or MATH 116E (may be taken concurrently) or MATH 115 or MA 115C)
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; summer 2021; fall 2021; spring 2022; summer 2022; fall 2022

AGRI 315 Water in Food Production 3 Hours

A study of the role of water in food production, including availability and distribution, economics, droughts and floods, pollution, waste disposal, sustainability, political rights and regulations, and ethics. Note: A minimum of 12 hours of agriculture or other sciences or combination thereof is required.
Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.
Recent Term(s) Offered: spring 2020

AGRI 323 Wine Fundamentals 3 Hours

Agricultural and historical origins of wine, including important grape varieties and principles of fermentation. Major wine-producing regions and fundamentals of wine marketing are also explored.
Recent Term(s) Offered: None

AGRI 355 Biotechnology in Agriculture 3 Hours

Introduction to current biotechnologies used in agriculture including genetic modification of crop plants and animals, genetically modified foods, fermentation biotechnology, pharming and other current topics.
Prerequisite(s): BIOL 120 and BIOL 121 and (ANSC 140 or AGRO 110)
Recent Term(s) Offered: spring 2020; spring 2021; spring 2022

AGRI 369 Cooperative Education in Agriculture II 1-4 Hours

(repeatable max of 8 hrs)
Practical out-of-the classroom experience in a supervised work situation with a cooperating business, industry or government agency, emphasizing application of knowledge and skills in specified areas of agriculture. A maximum of 8 hours of cooperative education may apply toward a major in agriculture. Does not count toward agriculture minor credit.
Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.
Recent Term(s) Offered: winter 2020; spring 2020; summer 2020; fall 2020; winter 2021; spring 2021; summer 2021; fall 2021; winter 2022; spring 2022; summer 2022; fall 2022

AGRI 397 Agriculture Career Planning 1 Hour

Job search preparation, including completion of a resume, cover letter and mock interview. Options for obtaining graduate education and internship experience are also explored. Outside speakers from the agriculture industry are included. Note: Permission of instructor may be required.
Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGRI 398 Seminar 1 Hour

Current literature from representative journals in the field of agricultural research is reviewed orally by students. Discussion, one hour. Note: Permission of instructor may be required.
Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.
Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGRI 399 Research Problems in Agriculture 1-3 Hours

Gives students an opportunity to pursue a thorough study of some particular phase of agriculture. Credit to be arranged. Note: 3.0 GPA and Consent of instructor required.

Restriction(s): Students with a semester level of Academy Junior, Academy Senior, Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; summer 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022

AGRI 469 Cooperative Education in Agriculture III 1-4 Hours

(repeatable max of 8 hrs)

Practical out-of-the classroom experience in a supervised work situation with a cooperating business, industry or governmental agency, emphasizing application of knowledge and skills in specified areas of agriculture; A maximum of 8 hours of cooperative education may apply toward a major in agriculture. Does not count toward agriculture minor credit.

Prerequisite(s): BIOL 120 and BIOL 121

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: None

AGRI 475 Selected Topics in Agriculture 1-3 Hours (repeatable max of 6 hrs)

Special topics acquaint advanced undergraduate students with scientific developments of current interest in agriculture. Appropriate topic titles are assigned. Lecture and assignments vary with credit. May be repeated with change in content. Note: Consent of instructor required.

Recent Term(s) Offered: spring 2020

AGRI 491 Data Analysis and Interpretation 3 Hours

Basic concepts of statistical models and use of samples. Variation, statistical measures, distribution, tests of significance, analysis of variance and elementary experimental design, regression and correlation as related to interpretation and use of scientific data are discussed.

Prerequisite(s): (MATH 115 or MATH 116 or MA 115C or MA 116C or MATH 116E or MATH 117)

Restriction(s): Students with a semester level of Freshman or Sophomore may **not** enroll.

Recent Term(s) Offered: fall 2020; fall 2021; fall 2022

AGRI 493 Sustainable Agriculture 3 Hours

Effect of diminishing resources, environmental pollution, and short-term economics on the sustainability of productive agriculture. Emphasis on managing crops, livestock, and other farm resources in providing an ecological-economical balance in agricultural production. Note: Upper division standing, minimum of 18 hours in agriculture and related areas, including at least 12 hours of plant and animal production, soils, crop protection, crop improvement, economics, or ecology; or permission of instructor.

Recent Term(s) Offered: spring 2021; spring 2022

AGRI 494 Contemporary Agricultural Issues 3 Hours

An analysis of contemporary agricultural ethical issues as viewed by consumers, advocacy groups and producers. While issues may vary, topics may include: animal welfare, biotechnology, environmental protection, food quality, food policy, land use, and tobacco.

Restriction(s): Students with a semester level of Freshman, Junior or Sophomore may **not** enroll.

Recent Term(s) Offered: spring 2020; fall 2020; spring 2021; fall 2021; spring 2022; fall 2022