

AG - AGRONOMY (AGA)

AGA-114 Principles of Agronomy (3)

Provides a foundation course in agronomy. Applies crop, soil, and environmental sciences in understanding agricultural systems in the world. Introduces concepts of plant, soil, tillage, pest, environmental, and sustainable aspects of crop production. Includes hands-on learning experiences. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

AGA-154 Fundamentals of Soil Science (3)

Introduces physical, chemical, and other biological properties of soils, their formation, classification, and distribution. Uses soil survey and other information sources in balancing agronomic, economic, and environmental concerns in soil management. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture

AGA-170 Fertilizer Management (3)

Covers principles of nutrient management as they relate to soil, plants, fertilizer practices, management systems and the environment. Discusses manure management plans, handling laws and how they impact farming operations. Arts & Sciences Elective Code: B

Hours per week: 2.0 lecture, 2.0 lab

AGA-216 Row Crop and Forage Production (4)

Studies and compares different types of tillage methods, seed varieties, fertilizer program, diseases and chemical application, as well as weed control and new harvest methods used in modern row crop and forage production. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture, 2.0 lab

AGA-221 Field Crop Harvesting and Drying (4)

Focuses on how to harvest and store grain, and forage crops in agricultural systems. Includes the basics of combine safety, set up, adjustment, operation, and calibration of mechanical and data logging systems. Reinforce principles through operation of a combine simulator as well as with actual in-the-field adjustment and operation of machines. Teaches the basics of a yield monitoring system, and how to analyze data obtained from a yield monitor. Arts & Sciences Elective Code: B

Hours per week: 3.0 lecture, 2.0 lab

AGA-283 Pesticide Application Certification (2)

Provides a core background and specialty topics in agricultural pesticide applicator certification. Allows students to select certification categories and have the opportunity to obtain pesticide applicator certification at the completion of the course. Commercial pesticide applicator certification is emphasized. Arts & Sciences Elective Code: B

Hours per week: 1.0 lecture, 2.0 lab

AGA-376 Integrated Pest Management (3)

Develops observation and identifies symptoms of insect damage, weed and herbicide problems. Utilizes the concept of integrated pest management and economic threshold in recommending control methods. Arts & Sciences Elective Code: B

Hours per week: 2.0 lecture, 2.0 lab

AGA-948 Special Projects (1-3)

Includes an agreed-to development plan for an applied problem solution. Students and instructor meet regularly for discussion, observation and evaluation of the project development. Arts & Sciences Elective Code: B

Hours per week: 1.0 lecture