

Agriculture

AGR1013, AGRICULTURE CALCULATIONS, 3 hours.

This course will build mathematical connections to the complex world of agriculture. The Agriculture Calculations class will integrate solid, real-world mathematics into everyday critical thinking and business decisions for sustainable agricultural practices.

AGR1032, PRINCIPLES OF LIVESTOCK, 2 hours.

This course is an introduction to the live evaluation of four species (cattle, swine, goat, and sheep). Factors influencing the quality and value of each species will be the focus of discussion.

AGR1043, AGRICULTURE LEADERSHIP, 3 hours.

This course is designed to provide students with real world leadership skills in the agricultural field. It dives deep into management styles, conflict resolution, effective communication, leading groups and individuals, personal development and transitioning into the workplace. Resume building and career opportunities will also be examined.

AGR1044, AGRICULTURAL EXPERIENCE, 4 hours.

This course will allow students to gain hands-on experience while completing a paid/unpaid internship. The student must complete the appropriate clock hours correlated with the credit hours he/she is receiving. The student must be employed with an agricultural business for the duration of the summer months. During these summer months the student is required to complete all associated assignments as outlined by the instructor as well as follow the employer's direction.

AGR1053, INTRODUCTION TO COMPUTERS IN AGRICULTURE, 3 hours.

This course teaches students how to apply computer programs within the agricultural industry. Students will have a large range of hands-on applications of the Internet and Microsoft Office (Word, Excel and PowerPoint) assignments.

AGR1061, CATTLE ARTIFICIAL INSEMINATION, 1 hour.

This course is a study of the artificial insemination practices of cattle. The course will include heat detection, straw

procedure, sire selection, and heifer/cow insemination.

AGR1204, PRINCIPLES OF SOIL SCIENCE, 4 hours.

The course is an introduction to the science of soil with an emphasis on the principles which lead to a greater understanding of soil management. A variety of laboratory experiences will be included in this course.

AGR1222, FYE Agriculture ORIENTATION, 2 hours.

The purpose of the first-year experience course is to help incoming freshmen make a successful transition to college life both academically and personally. This course will foster a sense of belonging and expose students to aspects of service learning by engaging in campus and community activities. The curriculum will broaden students' understanding of identity and help embrace individual differences.

AGR1243, PRINCIPLES OF ANIMAL SCIENCE, 3 hours.

This course is an introduction to the science of animal production with an emphasis on the principles which lead to a greater understanding of animal terminology, breed identification, genetics, reproduction, and animal diseases.

AGR1252, ANIMAL SCIENCE AND INDUSTRY, 2 hours.

This course creates an understanding of livestock selection through breeding and market types of animals, including a comparison of the live animal and carcass evaluation.

AGR1253, PRINCIPLES OF HORSESHOEING, 3 hours.

Students will learn the basic anatomy and physiology of a horse and causes of lameness.

AGR1263, PRINCIPLES OF AG ECONOMICS, 3 hours.

Ag Economics is a suggested class for all students interested in the ag business. This course is a study of economic principles, with emphasis of their application to farm, agribusiness, and agricultural industry problems.

AGR2012, PRINCIPLES OF MEAT EVALUATION, 2 hours.

This course is an introduction to the classification and grading of the three red meat species (beef, pork, and lamb). Factors influencing the quality and value

of each species will be the focus of discussion. This class will prepare the FSCC Meat Judging Team for national competition.

AGR2013, AGRICULTURE COMMUNICATIONS, 3 hours.

This course is an introduction to agricultural communications. Student will learn the different ways to effectively communicate in the industry. It is a comprehensive look into news media, online communication, video, public speaking, business communication and visual communication.

AGR2023, PRINCIPLES OF EQUINE SCIENCE, 3 hours.

This course is an introduction to Equine Science with an emphasis on the principles which lead to a greater understanding of conformation, equine nutrition, diseases, first aid, management, reproduction, genetics, and marketing

AGR2044, ANIMAL REPRODUCTION, 4 hours.

This course is an overview of animal reproduction and common reproductive techniques utilized in animal agriculture. This course will include laboratory experiences that stimulate hands-on learning and create a general understanding of assisted reproductive technology.

AGR2055, LIVESTOCK ULTRASOUND TECHNOLOGY, 5 hours.

This course is an introduction to ultrasound use in livestock. This course will focus on the technical aspect of scanning cattle and swine for carcass traits. The validity and reality concepts of livestock scanning will also be a focus of discussion. This course will consist of numerous labs and may require some travel.

AGR2083, AGRICULTURE FOOD SCIENCE, 3 hours.

This course is an introduction to food science and industry. A basic understanding of the constituents of food, food processing, quality control, deterioration, preservation, irradiation, government regulations, food safety and packaging will be covered.

AGR2112, ADVANCED MEAT EVALUATION, 2 hours.

This course is a continuance of Principles of Meat Evaluation. This course will focus on the upper level carcass grading and selection of the three red meat species

T This course is approved by the Kansas Board of Regents for System Wide Transfer among all Kansas public postsecondary institutions offering an equivalent course. Additional courses may also be eligible for transfer. Please visit the FSCC Registrar to learn more. *Offered on demand only. +Offered in 1 to 3 hour increments.

(beef, pork, and lamb). Factors influencing the quality and value of each species will be the focus of discussion. This class will prepare the FSCC meat judging team for national competition. This course will include a high amount of travel.

**AGR2203, PRINCIPLES OF FEEDING,
3 hours.**

This course is an introduction to the science of animal nutrition and feeding with an emphasis on the principles which lead to a greater understanding of animal nutrition and complete dietary needs of livestock.

AGR2244, PLANT SCIENCE, 4 hours.

This course is an introduction to plant science with an emphasis on the principles, which lead to a greater understanding of plants and horticultural science. A variety of laboratory experiences will be included in this course.

**AGR2253, FARM AND RANCH
MANAGEMENT, 3 hours.**

This course is an introduction to the basics of agricultural production management with an emphasis on principles and concepts which lead to greater financial success.

**AGR2273, PRINCIPLES OF
HORSESHOEING II (HOT FORGING),
3 hours.**

Students will learn the advanced anatomy and physiology of the horse and causes of lameness. They will experience hands-on training in shoeing and trimming.

**AGR2323, MARKETING OF AG
PRODUCTS, 3 hours.**

This course is designed to provide a comprehensive understanding of the principles and strategies involved in the marketing of agricultural products. It explores the unique challenges and opportunities within the agricultural sector, equipping students with the knowledge and skills necessary to navigate the dynamic landscape of agricultural marketing.

T This course is approved by the Kansas Board of Regents for System Wide Transfer among all Kansas public postsecondary institutions offering an equivalent course. Additional courses may also be eligible for transfer. Please visit the FSCC Registrar to learn more. *Offered on demand only. +Offered in 1 to 3 hour increments.