

# AGRICULTURE (AGAH, AGCR, AGEQ, AGMG, AGRI)

---

## **AGAH-1353. Beef Cattle Production. (3 Credits)**

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An overview of the beef cattle industry. Topics include the organization and operation of beef cattle enterprises, selection breeding, reproduction, health, nutrition, management and marketing. Lab fee.

## **AGAH-1401. Animal Science. (4 Credits)**

(4-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introductory survey of the scientific principles and applied practices related to livestock production. Topics include genetics, animal breeding and selection, anatomy and physiology, nutrition, reproduction, health, and marketing of livestock and livestock products. Lab fee.

## **AGAH-1447. Animal Reproduction. (4 Credits)**

(4-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of organs, functions, endocrinology, and common management practices related to reproduction.. Lab fee.

## **AGAH-2313. Principles of Feeds and Feeding. (3 Credits)**

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the role and application of feed nutrients and additives. Topics include comparative aspects of digestion, absorption, and metabolism of nutrients. Emphasis on identification of nutrient requirements and formulation of dietary feeding regimens. Lab fee.

## **AGCR-1341. Forage and Pasture Management and Utilization. (3 Credits)**

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the production and management of forage crops and pastures including establishment, fertilization, weed control, grazing systems, hay, seed production, and harvesting. Lab fee.

## **AGCR-2305. Entomology. (3 Credits)**

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Study of the morphology, physiology, and classification of the common insect orders and related arthropods with emphasis on species of economic or biological importance. Emphasis on integrated pest management concepts and proper use of pesticides.

## **AGEQ-1319. Western Horsemanship I. (3 Credits)**

Instruction in basic horsemanship skills including handling, saddling, bridling, mounting, riding, grooming, safety, and basic health care.

**AGEQ-1350. Equine Reproduction. (3 Credits)**

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Reproductive anatomy, physiological functions, and common management practices related to equine reproduction and facilities.

**AGEQ-1411. Equine Science I. (4 Credits)**

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. An introduction to the horse industry. Includes history, organization and operation of equine enterprises, selection, breeds, breeding, reproduction, health, nutrition, management, and marketing. Lab fee.

**AGEQ-2339. Western Horsemanship II. (3 Credits)**

Instruction in advanced horsemanship skills including cues, lead changes, head-set, side-pass, and pivots.

**AGMG-2280. Coop Education, Agriculture Business And Management. (2 Credits)**

(2-0-11) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Career related activities encountered in the students area of specialization offered through a cooperative agreement between the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. A seminar class will help guide the student through the stated learning objectives. Lab fee.

**AGRI-1131. The Agricultural Industry. (1 Credit)**

(1-1-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. This course provides an overview of world agriculture, nature of the industry and resource conservation, and the American agricultural system which is dependent on coordination of the production agriculture, processing, distribution, marketing, delivery systems and their sub-systems. Employment forecasts and basic information will be provided to assist the student in selecting a field of study.

**AGRI-1325. Marketing of Agricultural Products. (3 Credits)**

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Essential marketing functions in the movement of agricultural commodities and products from producer to consumer.

**AGRI-1407. Agronomy. (4 Credits)**

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Scientific approach to agronomic crops; their importance, value, use characteristics, classification, distribution, climatic and soil requirements, production, storage, improvement and seed technology. Lab fee.

**AGRI-1419. Introductory Animal Science. (4 Credits)**

(4-3-3) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Scientific animal production and the importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of livestock. Lab fee.

**AGRI-2301. Agricultural Power Units. (3 Credits)**

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Scientific animal production and the importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of livestock. Lab fee.

**AGRI-2303. Agricultural Construction. (3 Credits)**

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Safety procedures, selection, use, and maintenance of hand and power tools, metal cutting and welding; and construction materials and principles. Lab fee.

**AGRI-2317. Introduction to Agricultural Economics. (3 Credits)**

(3-3-0) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Fundamental economic principles and their application in the agricultural industry.

**AGRI-2321. Livestock Evaluation. (3 Credits)**

(3-2-4) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Evaluation and grading of market cattle, swine, sheep, and goats and their carcasses and wholesale cuts. Emphasis will be placed on value determination. Selection and evaluation of breeding cattle, sheep, swine, and goats with emphasis on economically important traits. Lab fee.

**AGRI-2330. Wildlife Conservation and Management. (3 Credits)**

(3-3-1) This course is taken for academic credit. Students will earn an A, B, C, D, F, or W. Principles and practices used in the production and improvement of wildlife resources. Aesthetic, ecological, and recreational uses of public and private lands. Lab fee.