

Kilgore College

Agriculture Curriculum

Course Descriptions

AGRI 1307. Agronomy Crop Production (3-2-2)

A general introductory course dealing with the classification and distribution of farm crops, crop improvements, preparation of seed beds, commercial fertilizer, seeding practices, crop tillage, harvesting, pastures and pasture management, crop rotation, diseases, and insect pests. (Taught in the Spring semester of even years.)

AGRI 1311. Dairying (3-2-2)

A study of dairy breeds, methods of selection and culling, records and management of herd, the secretion of milk, composition of milk, cream separation, butter and ice cream making, and processing of milk. Laboratory work includes testing of milk, inspection of dairies and milk plants, and comparative judging of animals. (Taught in Spring semester of odd years.)

AGRI 1327. Poultry Production (3-2-2-)

A general course in poultry including types, breeds, facilities and construction, brooding and incubation, selection and culling, feeding and nutrition, and diseases and pests. (Taught in Fall semester of odd years.)

AGRI 1371. Basic Landscape Design (3-2-2)

History, basic concepts and principles of design; formal and informal designs. Structures, site considerations, plant materials, and graphic presentation techniques are considered.

AGRI 1415. General Horticulture (4-3-2)

A survey of the field of horticulture, fundamental growth and fruiting habits, principles and practices of propagation, general study of common horticulture plants including planting, care, harvesting, and utilization of fruit and vegetable crops. (Taught in Spring semester of odd years.)

AGRI 2201. Agricultural Industry (2-2-0)

An overview of world agriculture. This course explores the nature of the industry, resource conservation, and the American agricultural system, including production, distribution, and marketing. (Taught in Fall semester of odd years.)

AGRI 2301. Agricultural Tractors and Power Units (3-2-2)

A study of tractors and other internal combustion engines used as power sources in agriculture. This course includes principles of operation, maintenance, calculating horsepower, and adjustments of electrical, ignition, fuel, lubricating, and cooling systems. Laboratory fee \$15. (Taught in Fall semester each year.)

AGRI 2303. Agricultural Engineering Metals (3-2-2)

A course training students of agriculture to recognize the various types of metals, processes of arc-welding and oxy-acetylene, cutting and fitting, and techniques of design and construction of farm buildings and equipment. Laboratory fee \$15. (Taught in Fall semester in even years.)

AGRI 2313. Plant Protection (Formerly General Entomology) (3-2-2)

A study of the principles and practices of controlling and preventing economic loss caused by plant pests and related environmental protection measures. This course includes instruction in entomology, plant pathology, weed science, crop science, and environmental toxicology. (Taught in Spring semester of even years.)

AGRI 2317. Agricultural Economics (3-3-0)

The fundamentals of agricultural economics. This course acquaints students with the characteristics of the economic system and basic economic concepts, the organization and management of the farm and ranch firm, the structure and operation of the marketing system, functional and institutional aspects of agricultural finance, government policies and programs related to agriculture. (Taught in Fall semester of even years.)

AGRI 2321. General Animal Production (3-2-2)

A study of scientific animal agriculture and the importance of the livestock and meat industry. This course includes selection, reproduction, nutrition, management and marketing of beef cattle, sheep, goats, swine, and horses and evaluation and processing of meat, wool, and mohair. (Taught in Spring semester of each year.)

AGRI 2330. Wildlife Conservation and Management (3-2-2)

An introduction to the wildlife resources of the United States with specific reference to Texas. This course includes applications of the principles of ecology and natural history to the management of wildlife habitats and control of wildlife populations. Other topics to be studied include identification of animals, habitat evaluation, and census methods. Special emphasis is on the economic aspects of wildlife management techniques. (Taught in Fall semester of even years.)

AGRI 2371. Plant Propagation (3-2-2)

A study of the principles and practices involved in the reproduction of economically important plants. Plant structure, growth, and development as relating to sexual and asexual reproduction; methods of handling seed; starting plant cuttings, layering, grafts, buds, bulbs, and other specialized structures; a study of planting media and plant-growing structures. (Taught in Fall semester.)

Each of the above agriculture courses taught at Kilgore College are fully transferable to be used in a major field of study or counted as electives toward a Bachelor of Science degree at any of the universities listed below which comprise the **Agricultural Consortium of Texas (ACT)**, an organization of senior colleges within the state which teach agriculture and confer degrees in various fields of agriculture.

The following is a list of ACT universities and links to their agricultural department.

[Abilene Christian University](#)

[Angelo State University](#)

[Prairie View A&M University](#)

[Texas State University](#) (formerly Southwest Texas State University)

[Stephen F. Austin State University](#)

[Sul Ross State University](#)

[Tarleton State University](#)

[Texas A&M University](#)

[Texas A&M University-Commerce](#)

[Texas A&M University-Kingsville](#)

[Texas Tech University](#)

[West Texas A&M University](#)