

COURSE TITLE: VOC. AG I (Introduction to Agriculture, Food and Natural Resources)

COURSE LENGTH: Full Year

PREREQUISITE: None

GRADE LEVEL: 9 - 12

GENERAL DESCRIPTION: The first year of Ag is designed to orient the student to the agricultural program. Ag 1 is designed to cover a variety of topics including animal science, plant science, natural resources, and agricultural technology and systems, students will also explore FFA, leadership, and science in agriculture. This course is recommended for anyone wanting to learn more about agriculture.

MODE OF PRESENTATION: Students participating in the Introduction to Agriculture, Food and Natural Resources course will experience exciting “hands-on” activities, projects, and problems. Student experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying the opportunities available in agriculture, natural resources, students will solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. For example, students will work in groups to determine the efficiency and environmental impacts of fuel sources in a practical learning exercise.

GRADING PROCEDURE: Worksheets, quizzes, tests and participation points will be combined to make up the classroom grade. All students are required to have a supervised agricultural experience that will serve as the semester tests.

STUDENT SKILLS, KNOWLEDGE TO BE GAINED:

1. A knowledge of the story of the FFA, its purposes, and activities.
2. Leadership skills that will enable you to work with others and organize events.
3. Accurate record keeping skills.
4. An awareness of the vast number of careers available in agriculture.
5. How to run a meeting properly and use correct parliamentary procedure.
6. Develop skills necessary to use computers in agriculture.
7. Learn and understand communication methods.
8. Have an appreciation for science processes.
9. Understand natural resources.
10. A general knowledge of plants and animals.
11. Develop the basics in agricultural mechanics.

COURSE TITLE: VOC. AG II (Principles of Agricultural Science – Plant Course)

COURSE LENGTH: Full Year

PREREQUISITE: AG I

GRADE LEVEL: 10 - 12

GENERAL DESCRIPTION: This course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in plant science. Students will work in teams, exploring hands-on projects and activities, to learn the characteristics of plant science and work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers and producers, and plant research specialists face in their respective careers.

MODE OF PRESENTATION: Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers.

GRADING PROCEDURE: Worksheets, quizzes, tests and participation points will be combined to make up the classroom grade. All students are required to have a supervised agricultural experience that will serve as the semester tests.

STUDENT SKILLS, KNOWLEDGE TO BE GAINED: A foundational level course where students study the production of plants while developing a grower's handbook. Areas of study include soils, hydroponics, plant anatomy and physiology, taxonomy, growing environments, sexual reproduction, asexual reproduction, insects and diseases, and production and marketing.

COURSE TITLE: **Fall Horticulture**
COURSE LENGTH: One Semester
PREREQUISITE: None
GRADE LEVEL: 11 - 12

GENERAL DESCRIPTION: The fall horticulture course will include instruction on the greenhouse crops; poinsettias and houseplants. We will also learn about plant scaping, pest control, and holiday arrangements. Hands-on work will be stressed.

GRADING PROCEDURE: Grades will be determined by a percentage of points earned on worksheets, quizzes, tests, and hands-on work.

COURSE TITLE: **Spring Horticulture**
COURSE LENGTH: One Semester
PREREQUISITE: None
GRADE LEVEL: 11 - 12

GENERAL DESCRIPTION: Horticulture instruction will include basic plant growth, propagation of plants, greenhouse crops, landscaping, lawn management, and fruit and vegetable gardening. Hands on work will be stressed.

GRADING PROCEDURE: Grades will be determined by a percentage of points earned on worksheets, quizzes, tests, and hands on work.

COURSE TITLE: **Survey of the Animal Industry (AGRI 204)**
CREDITS: 1 AHS 3DMACC Credits
COURSE LENGTH: One Semester
PREREQUISITE: None
GRADE LEVEL: 11 - 12

GENERAL DESCRIPTION: An analysis of the livestock industry with emphasis on reproduction, inheritance, performance testing, selection and marketing.

COURSE TITLE: Entrepreneurship in Agriculture (AGB 331)
CREDITS: 1 AHS 3 DMACC Credits
COURSE LENGTH: One Semester
PREREQUISITE: None
GRADE LEVEL: 11 - 12

GENERAL DESCRIPTION: A study of the role and organization of several aspects of agribusiness including financial management and control, marketing, operation and resource management in agribusiness.