

COURSE NUMBER: 401
COURSE TITLE: Agricultural Science II
COURSE LENGTH: Year, Two Credits
PREREQUISITE: None
GRADE LEVEL: 10, 11, 12

COURSE DESCRIPTION:

This year course of study revolves around crop production and horticulture. Floriculture and house plants are units that make up the largest part of the horticulture curriculum. Fruits and vegetables are also discussed and lab class will utilize the high school greenhouse. Leadership skills are enhanced with a short unit of Parliamentary Procedure. Agribusiness is related at all times. **Articulation with community colleges is possible for those taking this course.**

COURSE RATIONALE:

Units in Ag. II will allow the student to obtain knowledge and skills related to agronomy and horticulture that will serve as a foundation for occupational entrance or further education. A wildlife conservation unit explores some of Iowa's natural resources.

METHOD OF INSTRUCTION:

Textbooks are available for Corn, Soybean Production and Horticulture. All other units are from lecture and the problem method. Reinforcement will be from student class activities, FFA, Test Plot, greenhouse, the student's Supervised Occupational Experience Program and FFA Activities.

ASSESSMENT:

Daily assignments, notebook, SOE Project Records and Unit Test.

CRITICAL OBJECTIVES:

1. to identify weeds and establish weed control program
2. to demonstrate 5 basic abilities of parliamentary procedure
3. to explain the importance of parliamentary procedure in running a meeting
4. to list job opportunities related to crop production, management, sales and service and government programs
5. to identify crop species and characteristics
6. to analyze variety choices
7. to list the cultural practices necessary for care and economic production of crops
8. to identify vegetable and fruit varieties
9. to understand cultural practices important to vegetable and fruit production
10. to identify 20 types of house plants and 20 types of flowers
11. to identify job opportunities in horticulture