

**COURSE NUMBER:** 450  
**COURSE TITLE:** Introduction to Industrial/ Agricultural Technology  
**COURSE LENGTH:** Semester - 90 Minutes Every Other Day, One Credit  
**PREREQUISITE:** None  
**GRADE LEVEL:** 9, 10, 11, 12

**COURSE DESCRIPTION:**

This course provides students with the basics of several areas of industrial technology with emphasis placed on a hands on experience. Units of instruction include metals, woods, electricity, power and energy and drafting. Emphasis will be placed on careers and employment in the Industrial/ Agricultural technology field.

**Students enrolled in this class are eligible for FFA membership.**

**COURSE RATIONALE:**

This course will help students determine what area(s) of Industrial/ Agriculture Technology they would like to continue studying. For most students this course should be the first Industrial/ Agriculture Technology course taken in high school.

**METHOD OF INSTRUCTION:**

The course will be taught using lab work, demonstrations, lectures, and discussions.

**ASSESSMENT:**

75% class work & projects, 25% Tests and quizzes.

**CRITICAL OBJECTIVES:**

1. Hand tool identification and use.
2. Project layout and construction.
3. Self evaluation of work.
4. Demonstrate weld construction.
5. Demonstrate electrical plug, switch, lamp holder, and outlet wiring.
6. Demonstrate orthographic and isometric drawing.