

COURSE NUMBER: 454
COURSE TITLE: Woods
COURSE LENGTH: Semester, One Credit
PREREQUISITE: Intro to Industrial/ Agricultural Technology Strongly Recommended
GRADE LEVEL: 9, 10, 11, or 12

COURSE DESCRIPTION:

Students will learn woodworking processes such as designing, measuring, cutting material, joining, gluing, sanding, and finishing. By the end of the course the student will have learned how to use every power tool in the lab.

COURSE RATIONALE:

Upon successful completion, the student will be able to safely operate most power tools that are applicable in construction, manufacturing, and finishing processes.

METHOD OF INSTRUCTION:

The student is required to make an individualized approved project. This project will be the basis for learning design principles, creating a drawing, bill of materials, and plan of procedure.

ASSESSMENT:

1/2 - class work and project completion; 1/4 - class participation; 1/4 - tests

CRITICAL OBJECTIVES:

1. use of power tools
2. creating a design and estimate packet for an approved project
3. measuring
4. joinery
5. gluing
6. sanding
7. types of finishes