



PLANNED COURSE STATEMENT

Course #

Course Title: WOODS MANUFACTURING I	Grade Level(s): 10-12
Length of Course: 2 semester	Credit Area: CTE/Applied Fine Art
Prerequisite: Introductions to Woods Manufacturing	Amount of Credit: 1 Credit
Adopted/Supplemental Materials: Provided by Instructor	
Dual Credit Articulation:	

COURSE DESCRIPTION:

This course will introduce students to the terminology used in cabinet shops and the construction industry, learn safety procedures, use hand and power tools and provide “hands on” opportunities to build skills used in industrial wood shops. The students will engage in individual projects. In addition to the manual skills, students will also begin to design and create parts and projects using CAD software and CNC machines.

COURSE GOALS:

Students will:

1. Know and use all safety rules for hand and power tools.
2. Cut and finish lumber to a specific size
3. Calculate cost of materials by computing board feet, square feet and linear feet.
4. Join wood using several methods.
5. Develop the knowledge of proper terms and vocabulary common to woods manufacturing.
6. Use oral and written communication properly and effectively.
7. Create a simple project to be produced on a CNC router.

ASSESSMENT STRATEGIES:

The following assessment tools will be used during the course and in conjunction with the course goals. These tools will be delivered as appropriate to the nature of the learning task involved and as appropriate to the changing technology taught.

1. Class discussion
2. Class work sheets
3. Short Essay
4. Unit test
5. Evaluation of individual hands-on project
6. Individual shop tasks
7. Final Exam

ACCOMMODATIONS AND MODIFICATIONS:

Processes, equipment and materials can be substituted for students interested in more thought provoking problems. The student can choose an assignment/problem that best fit their learning style. Modifications and accommodations will be provided as per a student’s IEP.

CAREER RELATED LEARNING STANDARDS:

This course is designed to provide real life experiences and skills related to industry standards.