



# PLANNED COURSE STATEMENT

<b>Course Title:</b> Woods Manufacturing II	<b>Grade Level(s):</b> 10-12
<b>Length of Course:</b> 2 semester	<b>Credit Area:</b> CTE/Applied Fine Art
<b>Prerequisite:</b> Woods Manufacturing I	<b>Amount of Credit:</b> 1.0 Credits
<b>Adopted/Supplemental Materials:</b> Provided by instructor	
<b>Dual Credit Articulation:</b>	

### COURSE DESCRIPTION:

The purpose of this course is to expand on the base concepts acquired in Woods Manufacturing I. Students will be expected to work individually and collaboratively to design and build more complex projects using a variety of shop tools, including the use of CAD and CNC machinery.

### 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 CAD project to be produced on a CNC router.
8. Demonstrate the procedures, skills and attitudes necessary to successfully complete collaborative work experiences.

### 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.

