A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 0
Lab Hours/Week: 0
OJT Hours/Week: *
Prerequisites: None
Corequisites: None
MnTC Goals: None

In this foundational woodworking course, students will learn the basics of the traditional woodshop. This course serves as the prerequisite for makers to reach their full potential. Students will go through a learning process grounded in understanding hand tools and grow into learning more high-tech woodshop processes. Once students complete this foundational course, they will have the skills and confidence to continue excelling as a maker in the woodshop.

B. COURSE EFFECTIVE DATES: 08/20/2022 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Wood lab safety
2. Measuring equipment and usage
3. Personal safety (emphasis on ANSI Z87.1 safety glasses)
4. Use of hand tools and hand power tools
5. Wood joints and joining
6. Table saw operation and safety
7. Drill press operation and safety
8. Band saw operation and safety
9. Disc sander operation and safety
10. Time saver operation and safety
11. Planer operation and safety
12. Understanding of various woods, glues, sandpaper, etc.

D. LEARNING OUTCOMES (General)

1. describe different woods utilized in construction.
2. identify and describe measuring and layout tools.
3. identify and describe woodworking hand tools.
4. practice safe and proper operation of woodworking hand tools.
5. identify various woodworking machines/equipment.
6. demonstrate safe and proper operation of woodworking machine/equipment.
7. create an appropriate layout of a project.
8. determine actual costs and compare it with estimated costs.
9. identify and describe types of finish preparation.
E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted