MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE
COURSE OUTLINE

DEPT.  Carpentry                             COURSE NO.  2155 CRPT

INSTRUCTOR:

COURSE TITLE       Basic Cabinet Making

CATALOG DESCRIPTION   In this course the student will be learn basic cabinet needs and available spaces and design cabinets for specific uses. Drawing up of a basic cabinet plan is needed before a cabinet can be built. In this course one can construct a variety of cabinets including kitchen units, linen closets, vanity cabinets and built in work stations. Lastly, the students will go through the process of getting a cabinet ready for stain and varnish.

AUDIENCE:  Public

PREREQUISITES OR NECESSARY ENTRY SKILLS/KNOWLEDGE: Woodworking experience

LENGTH OF COURSE             1 Lab

THIS COURSE IS USUALLY OFFERED:
Fall/Spring

Four goals are emphasized in course at Minnesota West Community & Technical College:

1) ACADEMIC CONTENT: The student will attain knowledge of the materials involved, estimating of materials, cabinet design and drafting, constructing, cabinet tools, and sanding.

2) THINKING SKILLS:   Estimating, layout techniques, sanding techniques, working with others. The student will perform these skills in a real situation and determine the best methods for the job at hand.

3) COMMUNICATIONS SKILLS: Materials ordering, working with fellow students in the process in achieving acceptable results.
4) HUMAN DIVERSITY: The student should be aware of such situations as would be a problem with handicap assess ability, and reach ranges of the average person.

TOPICS TO BE COVERED: Cabinet materials available, cabinet styles, assembly methods, types of joinery.

LIST OF EXPECTED COURSE OUTCOMES:
01 Identify cabinet layout general rules
02 Select and estimate material for cabinet construction
03 Identify industry standards for dimensioning
04 Identify and create special joinery for cabinet making standards
05 Identify cabinet parts by name
06 Identify various counter top materials
07 Identify counter top standard dimensioning
08 Draft cabinet working plans.
09 Identify cabinet layout general rules
10 Identify various species of wood
11 Identify and work with a variety of plywood products
12 Estimate materials for a cabinet project
13 Identify components of a cabinet face frame
14 Identify components of a cabinet box, back, and rails
15 Identify and install specialty cabinet hardware (hinges, guides, etc.)
16 Identify and assemble drawer parts
17 Prepare cabinet materials list
18 Prepare a cabinet parts cutting list
19 Assemble face frames by pocket fasteners.
20 Identify, fabricate, and assemble raised panel doors, and flush doors.
21 Fabricate and assemble cabinet boxes, face frames, shelves and doors, so as to be ready for installation.
22 Selection of appropriate fasteners for the situation.
23 Joinery methods
24 Installation of cabinet accessories
25 Adjustment and alignment of doors and drawers
26 Installation of specific and unique hardware

LEARNING/TEACHING TECHNIQUES used in the course are:
Collaborative Learning
Interactive Lectures
Creative Projects
Lecture
Demonstrations
Problem Solving
Lab
Individual Coaching
Films/Videos/Slides
ASSIGNMENTS AND ASSESSMENTS FOR THIS CLASS INCLUDE:
Reading   Individual Projects
Collaborative Projects            Group Problems
Tests

EXPECTED STUDENT LEARNING OUTCOMES: The student should be able to layout and design a single cabinet which would include working drawings. Also, the student should be able to estimate materials for cabinets, make cutting lists from working drawings, cut and assemble parts to attain a completely ready to install cabinet.

To receive reasonable accommodations for a documented disability, please contact the campus Student Services Advisor or campus Disability Coordinator as arrangements must be made in advance. In addition, students are encouraged to notify their instructor.

This document is available in alternative formats to individuals with disabilities by contacting the Student Services Advisor or by calling 800-658-2330 or via your preferred Telecommunications Relay Service.

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Veteran Services: Minnesota West is dedicated to assisting veterans and eligible family members in achieving their educational goals efficiently. Active duty and reserve/guard military members should advise their instructor of all regularly scheduled military appointments and duties that conflict with scheduled course requirements. Instructors will make every effort to work with the student to identify adjusted timelines. If you are a veteran, please contact the Minnesota West Veterans Service Office.

The information in this course outline is subject to revision.