

Minnesota State College Southeast

CARP 1100: Cabinetry I

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

The student will explore styles, make working drawings, plan for efficiency, develop a building plan, layout cabinets, and estimate materials for a variety of cabinets. (Prerequisite: none) (2credits: 2 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 02/06/2018 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Learn terminology related to cabinetry
2. Fabricate parts for cabinet
3. Learn wood species common in cabinetmaking

D. LEARNING OUTCOMES (General)

1. Describe the skills needed by the cabinetmaker
2. Describe how lumber is cut
3. Explain moisture content
4. Compute board feet
5. Describe the kinds, sizes and grades of plywood, hardboard
6. Explain how plywood and hardboard are made
7. Describe basic woodworking joints
8. List the advantages and disadvantages of woodworking joints
9. List commonly used woodworking adhesives
10. Describe characteristics of adhesives
11. Describe the basic kinds of clamps and uses
12. Describe types and sizes of fasteners
13. Describe development of good cabinet design
14. Develop bill of materials
15. Develop a cutting plan
16. Develop construction plan
17. Explain frame and panel construction
18. Identify casework construction
19. Describe types of door construction
20. Explain door styles
21. Identify door hardware
22. Explain drawer styles
23. Describe types of drawer construction
24. Identify drawer hardware
25. Determine grades and sizes of laminate
26. Identify core materials
27. Identify types of adhesives
28. Explain methods of cutting laminates
29. Identify countertop edge treatments
30. Explain laminate application techniques
31. Explain laminate trimming techniques
32. Explain attachment of pre-formed tops
33. Explain laminate bending procedures
34. Explain laminate refacing techniques
35. Explain laminate splicing procedures
36. Explain laminate clean-up procedures

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted