CARP 1100: Cabinetry I

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 2
Lab Hours/Week: *.*
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) (2 credits: 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