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