CARP 1200: Cabinetry 2

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 1
Lab Hours/Week: 4
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course will provide the student with the knowledge to finish fine woodworking projects. Cabinet installation and plastic laminates will also be covered. (Prerequisite: CARP 1100 Cabinetry 1) (3 credits: 1 lecture/2 lab)

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Build Cabinets
2. Prep Cabinets for Finishing
3. Finish Cabinets in a Spray Booth
4. Install Hardware on Cabinets
5. Install Cabinet Projects on Site
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. Explain laminate application techniques
  30. Explain laminate trimming techniques
  31. Explain attachment of pre-formed tops
  32. Explain laminate bending procedures
  33. Explain laminate refacing techniques
  34. Explain laminate splicing procedures
  35. Explain laminate clean-up procedures
  36. Identify installation methods

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus
G. SPECIAL INFORMATION

None noted