CARP 1105: Residential Construction 1

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 2
Lab Hours/Week: *.*
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course will cover common residential framing methods including floor systems, wall framing and sheeting, roof types, interior framing details and wall layout. (Prerequisite: none) (2 credits: 2 lecture/0 lab)

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Safety
2. Operation of Hand and Power Tools
3. Basic Residential Framing Theory
D. LEARNING OUTCOMES (General)
   1. Identify post and beam systems
   2. Identify wall and ceiling drywall-backing techniques
   3. Identify wall-framing systems
   4. Identify roof truss configurations
   5. Identify roof truss components
   6. Identify roof truss applications
   7. Identify roof-sheathing techniques
   8. Identify roof-sheathing materials
   9. Identify roof-framing terms
  10. Identify correct nail usage
  11. Identify roof component layout
  12. Identify wall corner framing
  13. Identify floor truss systems
  14. Identify floor-sheathing materials
  15. Identify floor-sheathing applications
  16. Identify floor-framing methods
  17. Identify cantilevered joist systems
  18. Identify ceiling framing techniques
  19. Identify ceiling framing materials
  20. Identify bridging types and applications
  21. Identify box sill components
  22. Identify floor layout for stairways
  23. Identify sill-plating systems
  24. Identify exterior wall assembly
  25. Identify wall-framing components
  26. Identify exterior wall header assembly
  27. Identify drywall-backing methods
  28. Read measuring and leveling devices
  29. Identify wall intersection framing
  30. Layout floor joist spacing
  31. Identify wall-squaring techniques
  32. Identify wall-sheathing materials

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

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted