

Minnesota State College Southeast

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