

Course discipline/number/title: CR 1627: Roofing Systems

A. CATALOG DESCRIPTION

1. Credits: 2
2. Hours/Week: 4 lab
3. Prerequisites (Course discipline/number): None
4. MnTC Goals (if any): NA

This course is a study of installation of finish roofing products. A variety of roof construction, framing and finishes are discussed. Sheathing, roof edge, underlayment, valley tin, flashing and asphalt shingles are installed.

B. DATE LAST REVISED (Month, year): November, 2017

C. OUTLINE OF MAJOR CONTENT AREAS:

1. Safe use of tools and equipment
2. Examine various roof covering products
3. Underlayment and flashing
4. Asphalt shingles
5. Hips and valleys
6. Roof edging
7. Fasteners
8. Ventilation

D. LEARNING OUTCOMES (GENERAL): The student will be able to:

1. Demonstrate safe use of tools and equipment
2. Perform general carpentry skills while applying codes and safety standards
3. Describe various roof covering products
4. Install underlayment, roof edge and flashing
5. Cut and install asphalt shingles
6. Estimate material quantities
7. Install roof vents
8. Demonstrate communication and team work skills

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:

Methods may include but are not limited to:

1. Outside assignments
2. Quizzes
3. Exams
4. Class Participation

G. RCTC CORE OUTCOME(S) ADDRESSED:

Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.

H. SPECIAL INFORMATION (if any): None