

Course discipline/number/title: CR 1610: Residential Blueprint Reading**A. CATALOG DESCRIPTION**

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

B. COURSE DESCRIPTION: The focus of this course is to develop the ability to read and interpret architectural drawings and specifications. Topics include symbols and abbreviations, floor plan, elevations, and section views. Students will discover where to find needed information and learn to visualize the draftsman's intent.

C. DATE LAST REVISED (Month, year): February, 2025

D. OUTLINE OF MAJOR CONTENT AREAS:

1. Construction Math
2. Measurement and Scales
3. Construction Documents
4. Symbols and Abbreviations
5. Site Plans
6. Floor Plans
7. Elevations
8. Section Views
9. Details

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

1. add, subtract, multiply, and divide numbers, including fractions.
2. interpret measurements and use scales.
3. recognize common drawings in a set of plans.
4. recognize and interpret common symbols and abbreviations used in drawings.
5. locate and compare plan, elevations, and section views.
6. visualize the entire plan.
7. find the graphic information necessary to complete a construction project.
8. create a set of drawings.

F. LEARNING OUTCOMES (MNTC): NA

G. METHODS FOR EVALUATION OF STUDENT LEARNING: Methods may include but are not limited to:

1. Projects
2. Quizzes
3. Exams

H. RCTC CORE OUTCOME(S). This course contributes to meeting the following RCTC Core Outcome(s):
Critical Thinking. Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.

I. SPECIAL INFORMATION (if any): None