

Course discipline/number/title: CR 1632: Construction Estimating

A. CATALOG DESCRIPTION

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

The focus of this course is to develop skills necessary to accurately estimate material and labor costs. Students perform material take-offs and draft estimates for various building projects.

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

C. OUTLINE OF MAJOR CONTENT AREAS:

1. Types of estimates and formats
2. Concrete foundations
3. Framing
4. Roofing
5. Insulation
6. Drywall
7. Siding
8. Decks
9. Detached garage
10. Professionalism

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

1. Explain different types of estimates
2. Accurately perform material take-offs
3. Estimate labor costs
4. Draft a well-organized, professional estimate
5. Create formulas
6. Estimate total cost of a deck
7. Estimate total cost of a detached garage

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:

Methods may include but are not limited to:

1. Research 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.

Personal and Professional Accountability. Students will take responsibility as active learners for achieving their educational and personal goals.

H. SPECIAL INFORMATION (if any): None