COMMON COURSE OUTLINE: Course discipline/number/title: CR 1632: Construction Estimating

A. CATALOG DESCRIPTION
1. Credits: 3
2. Hours/Week: 48
3. Prerequisites (Course discipline/number): None
4. Co-requisites (Course discipline/number): None
5. MnTC Goals (if any): NA

The focus of this course is to develop skills necessary to accurately estimate costs to build a residential structure. As residential construction is very competitive, accurate cost bidding is necessary if a builder is to compete successfully. Estimates will cover cost factors ranging from the foundation through the completed roof to the completed interior.

B. DATE LAST REVISED (Month, year): August, 1997

C. OUTLINE OF MAJOR CONTENT AREAS:
1. Review related math
2. Review blueprint reading
3. Analyze job conditions
4. Interpret building codes and specifications
5. Analyze site work specifications
6. Estimate footings
7. Estimate concrete floors and slabs
8. Estimate concrete block
9. Estimate brick and mortar

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Estimate metalwork.
2. Describe frame construction.
3. Estimate girders.
4. Estimate floor framing.
5. Estimate wall framing.
7. Estimate cornices.
8. Estimate sheathing/siding.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
1. Outside assignments
2. Quizzes
3. Exams
4. The grades will be awarded as a letter grade, A-F, based on points earned

G. SPECIAL INFORMATION (if any): None