A. COURSE DESCRIPTION

Credits: 3  
Lecture Hours/Week: 0  
Lab Hours/Week: 0  
OJT Hours/Week: *.*  
Prerequisites: None  
Corequisites: None  
MnTC Goals: None

A foundational course in the analysis and determination of construction and manufacturing project costs. Bidding strategies and proposals; material, equipment and labor estimates, as well as overhead and profit are examined. Prerequisite: TADT 3250 or consent of instructor.

B. COURSE EFFECTIVE DATES: 08/22/2016 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Concrete  
2. Contracts, Bonds & Insurance  
3. Doors & Windows  
4. Electrical  
5. Equipment  
6. Excavation  
7. Finishes  
8. Heating Ventilation & A/C  
9. Introduction to Estimating  
10. Labor  
11. Masonry  
12. Metals  
13. Overhead & Contingencies  
14. Plumbing  
15. Profit  
16. Specifications  
17. The Estimate  
18. Thermal & Moisture Protection  
19. Wood
D. LEARNING OUTCOMES (General)
   1. broaden one’s concept of the construction industry.
   2. interpret building plans and drawings.
   3. develop an understanding of building techniques and methods.
   4. be introduced to basic estimating software.
   5. develop skills in print reading.
   6. develop the ability to create an accurate estimate.
   7. develop skills in estimating and bidding.
   8. develop skills in material takeoff.
   9. become familiar with CSI divisions.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted