

# Minnesota State University Moorhead

## CM 434: Construction Cost Analysis

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites:

ACCT 230 - Principles of Accounting I AND CM 340 - Planning and Scheduling AND CM 335 - Estimating II-Pricing and Productivity

Corequisites: None

MnTC Goals: None

This course will analyze a contractor's ability to bid, bond, and perform a construction project. Students will also set up and analyze a construction budget/cost control system that will effectively identify cost overruns and which can be used to bid future similar projects.

**B. COURSE EFFECTIVE DATES:** 08/25/2008 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Key Accounting Terms
2. Construction Financial Statements
3. Construction Company Failure
4. Construction Cost Accounting
5. Financial Ratios
6. Construction Transactions
7. Earned Value
8. Depreciation
9. Creating a Construction Business Plan
10. Control budget, percent complete, committed costs, and projecting project cash flow

### D. LEARNING OUTCOMES (General)

1. Students will demonstrate their knowledge of cost control procedures needed to successfully monitor, complete and document a project.
2. Student will understand financing options for construction business and the time value of money.
3. Student will understand and demonstrate knowledge of how critical cash flow is to a business success and what factors negatively impact cash flow.
4. Students will demonstrate knowledge of computer systems by using excel to solve homework problems.

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

## **G. SPECIAL INFORMATION**

None noted