

# Minnesota State University Moorhead

## CM 350: Structural Design and Analysis

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

The course will cover concepts for analyzing and designing beams and columns. Principles of shear and moment diagrams and their applications to the selection of adequate structural members under given loading conditions are analyzed. Structural steel, timber, and reinforced concrete materials will be discussed.

**B. COURSE EFFECTIVE DATES:** 02/11/2001 - 02/01/2017

### C. OUTLINE OF MAJOR CONTENT AREAS

None

### D. LEARNING OUTCOMES (General)

None

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted