

# Minnesota State University Moorhead

## CM 365: Construction Safety

### 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 focus will focus be on the planning and administration of construction safety programs. Other topics include the history and development of Federal and State Construction safety standards and methods for abatement and as well, as control of job site hazards to develop a safe construction project. Students are required to create a construction project safety plan.

### B. COURSE EFFECTIVE DATES: 02/02/2020 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. 1. Construction safety topics and concepts covered include:
  - a. Introduction to OSHA
  - b. Managing Safety & Health
  - c. Focus Four (Fall Hazards, Struck-by, Caught-in-Between, Electrocution)
  - d. Personal Protective Equipment
  - e. Health Hazards/Silica/Communication
  - f. Excavations
  - g. Scaffolding, Derricks, Hoists, Elevators & Conveyors
  - h. Tools & Hand and Power
  - i. Fire Protection & Prevention
  - j. Stairways & Ladders
  - k. Materials Handling
  - l. Confined Space
  - m. OSHA Reporting
2. Create a construction project safety plan.
3. Focus Four (falls, elec, struck, caught)
4. Personal protective equipment
5. Health hazards/silica/communication
6. Excavations
7. Scaffolding, derricks, hoists, elevators, and conveyors
8. Tools-hand and power
9. Fire protection and prevention
10. Stairways and ladders
11. Materials handling
12. Confined space

**D. LEARNING OUTCOMES (General)**

1. The student can identify and execute construction safety standards including the ability to interpret the OSHA construction standards, establish safety and health procedures on the job site, perform hazard material and process analysis and enforce safety procedures.
2. The student will understand how to create a construction specific project safety plan.

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

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted