

# Minnesota State University Moorhead

## CM 492: Capstone Experience

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites:

CM 335 - Estimating II-Pricing and Productivity AND CM 340 - Planning and Scheduling

Corequisites: None

MnTC Goals: None

The Construction Capstone Experience will integrate the coursework concepts of the core program in a research/application activity. The course is intended to develop a higher level of comprehensive understanding of the construction process and problem solving associated with the life cycle of a construction project. The course utilizes knowledge and concepts developed in earlier coursework to enhance the student's understanding of the interrelationships between the design process, estimates, schedules, and contracts. The course will simulate a construction project. The students will work in teams. Each team will be totally responsible for designing, developing, estimating, scheduling, contracting, and administering the works for the completion of a small commercial or light commercial project. The students will complete a major portion of the course requirement through the use of applicable construction software programs taught in the CM curriculum. The course will further develop and utilize oral and written communication skills, which have become a major factor in determining the success of the construction managers and executives.

**B. COURSE EFFECTIVE DATES:** 02/02/2016 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Construction Graphics
2. Estimating
3. Planning and Scheduling
4. Construction Ethics
5. Project Management

### D. LEARNING OUTCOMES (General)

1. The student will experience the interrelationships between the design, estimates, schedules, and contracts as they simulate the construction process from conception through project preplanning, proposal delivery, and the preparation of project documents.
2. The student will apply construction management skills as an effective member of a multi-disciplinary team.
3. The student will present the project in a professional manner, utilizing both written and oral communication skills required of professional.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

## **G. SPECIAL INFORMATION**

None noted