

# Minnesota State University Moorhead

## CM 340: Planning and Scheduling

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 35

Lab Hours/Week: 20

OJT Hours/Week: \*.\*

Prerequisites:

CM 230 - Estimating I: Quantity Survey

Corequisites: None

MnTC Goals: None

Theories and principles of construction planning and scheduling will be studied. Students will use the Critical Path Method as a primary technique of planning, scheduling, and monitoring work. The students will identify required activities, resources and cost required to complete monitor a project throughout the construction process. Students will be required to complete both manual and computer scheduling assignments. Students will use "Primavera" scheduling software assigned projects.

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

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Computer applications
2. Cost control data and procedures
3. Forecasting costs and cash flow requirements
4. Impact of changes
5. Network diagramming and calculations with CPM
6. Parameters affecting project planning
7. Resource allocation & management
8. Schedule information presentation

### D. LEARNING OUTCOMES (General)

1. The student can prepare a complete construction project schedule showing the logical sequence of activities and time duration, develop a procurement time table, and establish a project plan in order to monitor progress and update the schedules.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted