

North Hennepin Community College

CMSV 2900: Construction Scheduling

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 0

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:

This course requires the following prerequisite
CMSV 2870 - Construction Management

Corequisites: None

MnTC Goals: None

This course explores the basic techniques and guidelines of the critical path method (CPM), and the precedence diagramming method (PDM) scheduling. The student will develop skills to prepare construction schedules by considering the important aspects labor, equipment, and time cost scheduling. Practical step-by-step scheduling techniques will be applied to an actual construction project.

B. COURSE EFFECTIVE DATES: 01/09/2012 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. CPM Schedules 10%
2. Determining Durations 25%
3. Calculating Activities 25%
4. Managing Schedules 10%
5. Forecasting & Balancing Resources 10%
6. Managing Projects Using Technology 20%

D. LEARNING OUTCOMES (General)

1. Generate a consistent system of actions in preparing construction project schedules by utilizing CPM and PDM principles. (Program Goals 1, 2, 4)
2. Deduce essential data that is required to prepare construction schedules from construction drawings. (Program Goals 1, 2, 4)
3. Prepare, develop, and refine individual CPM and PDM networks in classroom exercises upon an individual and team bases. (Program Goals 1, 2, 4)
4. Evaluate and use computer technology in scheduling. (Program Goals 1, 2, 4)
5. Apply scheduling techniques to an actual construction management project. (Program Goals 1, 2, 4)
6. Review, analyze, and interpret construction documents, product, and technical information associated with architectural, structural electrical, fire, HVAC, and plumbing systems. (Program Goals 1, 2, 4)

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

1. Knowledge of Human Cultures and the Physical and Natural World--Through study in the sciences, mathematics, social sciences, humanities, histories, languages, the arts, technology and professions.
2. Intellectual and Practical Skills--Including: Inquiry and analysis; Critical and creative thinking; Written and oral communication; Quantitative literacy; Information literacy; Teamwork and problem solving.
4. Integrative and Applied Learning--Including: Synthesis and advanced accomplishment across general education, liberal studies, specialized studies and activities in the broader campus community.