

Document Number:

Set Document Number

Departmental Course Outline Form

Abbreviated Title (25 chars max): Construction Scheduling
Course Title: Construction Scheduling

Dept Abbr(s): CMSV

Course Number: 2900
Lecture Hours: 3
Lab Hours:
Total (min-max) Credits: 3 -
Registration Tally:
Lab Tally:

Catalog Description:

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.

Prerequisites: CMSV 2870

Topics: Topics covered and time allotments.

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%

If Qualifying Request for MN Transfer Curriculum, check here
and select 1 or 2 Goals and their Competencies:

1st Goal: Select a goal
Competencies:

2nd Goal: Select a goal
Competencies:

Document Number:

<p align="center">OUTCOMES:</p> <p>(Include thinking skills/thinking abilities objective(s). A minimum of <i>four</i> measurable course outcomes required.) Refer to Bloom's Taxonomy for appropriate verbs.</p>	<p align="center">OUTCOME MEASURES:</p> <p>(Indicate any activity that demonstrates student competence and ways in which the faculty member will ascertain the student learning outcomes.)</p>										
<p>The students will be able to:</p> <ol style="list-style-type: none"> 1. Generate a consistent system of actions in preparing construction project schedules by utilizing CPM and PDM principles. 2. Deduce essential data that is required to prepare construction schedules from construction drawings. 3. Prepare, develop, and refine individual CPM and PDM networks in classroom exercises upon an individual and team bases. 4. Evaluate and use computer technology in scheduling. 5. Apply scheduling techniques to an actual construction management project. 6. Review, analyze, and interpret construction documents, product, and technical information associated with architectural, structural electrical, fire, HVAC, and plumbing systems. 	<p>The department has agreed that these measures must be used:</p> <p>The instructor may also use any or all of the following measures:</p> <table border="0"> <tr> <td>1. Quizzes</td> <td align="right">30%</td> </tr> <tr> <td>2. Papers</td> <td align="right">20%</td> </tr> <tr> <td>3. Classroom participation/discussion</td> <td align="right">10%</td> </tr> <tr> <td>4. Labs/field-trips</td> <td align="right">20%</td> </tr> <tr> <td>5. Final test</td> <td align="right">20%</td> </tr> </table>	1. Quizzes	30%	2. Papers	20%	3. Classroom participation/discussion	10%	4. Labs/field-trips	20%	5. Final test	20%
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4. Labs/field-trips	20%										
5. Final test	20%										

Which of the college-wide learning outcomes does this course investigate?

- Communication: Students will create shared meaning appropriate to a variety of audiences by writing and speaking.
- Critical Thinking: Students will apply creative, rational, and value-sensitive modes of thought to information and experience.
- Civic Engagement: Students will identify and address issues of public concern through individual and collective actions beyond the classroom.
- None of the Outcomes

If Special Course Fee, check here

Semesters offered (check appropriate semester(s)):

Fall: Not Offered in Fall

Spring: Every Spring

Summer: Not Offered in Summer

Evaluate/Grading System (check):

A – F: P / F: Both:

A-NC Dev. Only:

All changes are effective the next Fall semester unless noted _____

Check all that have changed:

New Course:

Deleted Course:

Course Title:

 Number:

 Hours:

Document Number:

- Credits:
- Tally:
- Description:
- Prereq:
- MTC Goal:
- Outcomes:
- Measures:
- College Wide Goals:
- Semester Offered:
- Grading:

Submitted by:

Name(s): Matt Simoneau

CURRICULUM COMMITTEE ACTION:

Academic Council Chair

Date Approved

Primary CIP Code: _____