

Southern Polytechnic State University
School of Architecture, Civil Engineering Technology and Construction
Construction Management Department
 CMST 4510 – Construction Scheduling

Syllabus
 Fall 2009

Instructor: Kristin Edwards
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Course Description: A study of the management techniques used in controlling time and costs of construction projects, including development of schedules and budgets, organization and presentation of project information, and updating and monitoring progress using critical path methodology. Development of a construction schedule and budget is required. Commonly used commercial software packages are introduced.

Learning outcomes: Each student will have the ability to:

- Develop a construction schedule using predecessor/successor relationships for sequencing.
- Prepare a CPM schedule in all 3 of the most commonly used software programs.
- Present an analysis of project development, status and critical path.

SPSU Cell Phone Policy:

CELL PHONE and PERSONAL DEVICE POLICY

The use of cell phones/PDAs/pagers during class will not be tolerated. Turn them OFF before entering class and they are to remain off until the class is completed. The classroom environment will be treated the same way as if this was a corporate meeting in a large conference room in which your boss was delivering a presentation. He/she would not tolerate their use and a “wise” young employee would probably shy away from their use in order to prevent their discharge from the firm as a result of their rudeness.

Use of cell phone/PDA/Pager/blackberry etc. during class will result in the dismissal of the student from that particular class and the receipt of a “zero” for that class’s particular assignment, exercise, exam, quiz, etc. The second use of the device during class will result in the withdrawal of the student from the class by the instructor. Withdrawal of the student by the instructor after the official “drop date” will result in the grade of a “WF” for the student.

Schedule:

Class	Date	Subject	Assignments due by
1	8/24	Introduction - Planning, Planning, Planning..... Lab – none	
2	8/26	Why Schedule?; Checklists, To Do Lists Lab – none	Chapters 1 thru 4
3	8/31	Bar Charts; Intro to MPP Lab – Bar Charts, Microsoft Project intro	Chapter 22
4	9/2	Lab – practice schedule 1	
	9/7	Labor Day Holiday - NO CLASS	
5	9/9	Introduction to CPM Scheduling Lab – practice schedule 2	Chapter 5, 19

6	9/14	Network Logic/Quiz Lab – Suretrak intro	Chapter 6, 21
7	9/16	Durations Lab - practice schedule 1	Chapter 7
8	9/21	Start & Finish Dates Lab - practice schedule 2	Chapter 8
9	9/23	More on Durations & Dates/Quiz Lab - practice schedule 2	
10	9/28	Float Lab - practice schedule 3	Chapter 9
11	9/30	Review/Quiz Lab - practice schedule 3	
12	10/5	Midterm Exam	
13	10/7	Lags Lab – P3 intro	Chapter 10, 20
14	10/12	More on Float & Lags/Quiz Lab – practice schedule 1	
15	10/14	Analyzing the Schedule Lab – practice schedule 1	Chapter 11
16	10/19	...con't/Quiz Lab – practice schedule 2	
17	10/21	Bar Charts & Reports Lab – practice schedule 2	Chapter 12
18	10/26	...con't Lab – practice schedule 2	
19	10/28	Updating the Schedule Lab – team practice schedule 3	Chapter 14
20	11/2	...con't/Quiz Lab – team practice schedule 3	
21	11/4	Forecasting Lab – team practice schedule 3	Chapter 15
22	11/9	...con't/Quiz Lab – team practice schedule 4	
23	11/11	Cost Schedule Lab – team practice schedule 4	Chapter 16
24	11/16	...con't Lab – team practice schedule 4	
25	11/18	Teamwork! Lab – team practice schedule 4	Chapter 17
26	11/23	Other Types of Schedules Lab – final project schedule	Chapter 18
		THANKSGIVING BREAK - No Class	
27	11/30	Review Lab – final project schedule	
28	12/2	Final Presentations Lab – project schedule	
29	12/7	Final Presentations Lab – finish project schedule	
30	12/9	Open	
	12/14	Final Exam	

Grades:

Attendance/Quizzes – 25%

Midterm – 25%

Final – 25%

Final Project/Presentation – 25%