

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

**ACADEMIC AFFAIRS**

Course Number: CIVL-460 Department: CIVL

Course Title: Project Scheduling Semester: Fall Year: 2003

**Objectives/Competencies**

<b>Objectives</b>	<b>Competencies</b>
1. Provide the student with construction project scheduling and cost control skills and technologies using scheduling software.  2. Develop within the student an understanding of the basic requirements of a construction project safety program.	1. Dissect a construction project into its many activities. 2. Show dependencies of each activity on other activities. 3. Determine key milestones of beginning and ending events of a construction project. 4. Develop a project schedule of multiple activities which accounts for activity dependencies. 5. Develop a project schedule that provides a construction manager with cost/time options. 6. Compare management options regarding overhead costs and meeting project completion deadlines.  1. Determine safety risks of a typical construction project. 2. Prepare reasons for construction project accidents caused by unsafe acts and unsafe job-site conditions. 3. Develop a detailed safety plan for a construction project. 4. Analyze OSHA regulations that relate to construction projects.

<b>Objectives</b>	<b>Competencies</b>
3. Provide the student with human relations skills and techniques to successfully resolve construction project management personnel issues.	<ol style="list-style-type: none"><li>1. Learn the legal aspects of job-site sexual harassment, sexual discrimination and substance abuse.</li><li>2. Determine which management techniques are most appropriate for resolution of job-site sexual harassment, sexual discrimination and substance abuse.</li><li>3. Learn about typical sources of professional assistance a construction manager can utilize to resolve work place personnel problems.</li><li>4. Learn key aspects of effective construction project management and leadership techniques.</li></ol>