DATE SUBMITTED: 2/3/06  
DATE DICC APPROVED: 6/27/06  
DATE LAST REVIEWED:  

CATALOG NO.: CSMG 180

COURSE INFORMATION FORM

DISCIPLINE: Construction Management  
COURSE TITLE: General and Specialty Contractor Dynamics  

CR.HR: 2  
LECT HR: 2  
LAB HR:  
CLIN/INTERN HR: 0  
CLOCK HR:  

CATALOG DESCRIPTION

Students will explore all construction systems and the contractual relationships between the general and subcontractors on a construction job-site.

PREREQUISITES

N/A

EXPECTED STUDENT OUTCOMES IN THE COURSE

Upon completion of this course, the student will be able to:

1. Describe construction systems.
2. Demonstrate an understanding of the importance of contractual relationships.
3. Identify steps in selecting a subcontractor.
4. Develop an understanding of the site utilization and the mobilizations needs of the specialty contractor.
5. Demonstrate an understanding of the importance of effective time management in the construction trades.
6. Develop strategies to increase productivity for the construction trades.
7. Evaluate the tasks of project close-out.
CLASS-LEVEL ASSESSMENT MEASURES

Student accomplishment of expected student outcomes will be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

Classroom participation (1 - 7)
Homework by students/Daily projects (1-7)
Tests (1 - 7)

PROGRAM-LEVEL OUTCOMES ADDRESSED

General Education Outcomes
Specify which general education outcomes, if any, are substantially addressed by the course by completing the “Course/Program Assessment Matrix” to show the relationship between course and program outcomes and assessment measures.

Occupational Program Outcomes
Specify which occupational program outcomes, if any, are substantially addressed by the course by completing the “Course/Program Assessment Matrix” to show the relationship between course and program outcomes to assessment measures.
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Introduction to Construction Systems
   a. Interdependence Among Contractors
   b. Construction Project Systems
   c. Subsystems within the Project System

II. Contractual Relationships
   a. Types of Contracts
   b. Plans and Specifications
   c. CSI and Specialty Contractors
   d. CSI Numbering System
   e. Contractual Relationships between General and Subcontractors

III. Specialty Contractor
   a. Specialty Contractor Selection
   b. Develop a Project Team
   c. Partnering Attitudes
   d. Impact of Specialty Contractors

IV. Communication
   a. Importance of Open Communication
   b. The Need for Written Documents and Records
   c. Open Communication
   d. Problems Caused by Poor Communication

V. Plans and Specifications
   a. Project Plans and Specifications
   b. General Contractor Supervision
   c. Mechanical, Electrical and Plumbing (MEP)
   d. Change Orders

VI. Mobilization
   a. Site Planning and Mobilization
   b. Site Supervisor’s Responsibilities
   c. Specialty Contractor Mobilization
   d. Subcontractor Coordination Meetings
   e. Other Mobilization Issues

VII. Time Management
    a. Impact of Schedules
    b. Schedules and Subcontractors
    c. Short Interval Planning
VIII. Productivity
   a. General Contractor’s Responsibility
   b. Causes of Delays
   c. Tracking Work Progress

IX. Project Closeout
   a. Commissioning
   b. Training
   c. Warranties
   d. As-Built Drawings
   e. Punch List
   f. Demobilization