COURSE INFORMATION FORM

DISCIPLINE: Construction Management
COURSE TITLE: Construction Project Management

CR. HR.  2    LECT HR.  2    LAB HR.  ______    CLIN/INTERN HR.  ______    CLOCK HR.  ______

CATALOG DESCRIPTION

Students will explore the techniques used to manage a construction project for which they are responsible and accountable.

PREREQUISITES

N/A

EXPECTED STUDENT OUTCOMES IN THE COURSE

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

1. Describe project management.
2. Develop an understanding of the techniques and steps required to manage a construction project.
3. Identify cost and risk controls.
4. Evaluate project start-up and closeout.
5. Demonstrate an understanding of pre-construction planning, in the fieldwork and the projection completion closeout process.
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 - 5)
Homework by students/Daily projects (1-5)
Tests (1 - 5)

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 Project Management
   A. The Supervisor’s Role in Project Management
   B. Computer Applications in Construction

II. Preconstruction Planning
   A. Getting Started
      1. Preconstruction Planning Activities
      2. A Planning Meeting
      3. A Close Look at Organizing and Staffing
   B. Developing the Project Plan
      1. Developing the Project Plan
      2. Developing the Project Schedule
   C. Planning for Production
      1. Planning for Production
      2. Test Models and Pilot Studies
      3. Planning for Support Activities
   D. Planning for Project Layout
      1. Organizing the Project Layout
      2. Material Storage and Protection
      3. Controlling Small Tools and Supplies
      4. Material Handling and Fabrication

III. In The Field
   A. Project Start-up
      1. The Preconstruction Conference
      2. Agenda
      4. Administrating Project Paperwork
      5. Short Interval Production Schedule
      6. Project Communication: Radios and Telecommunication
   B. Cost and Risk Control
      1. Labor Cost Control
      2. Risk Control: The Importance of Documentation
      3. The Project Team’s Role in Risk Control
   C. Subcontractor Management
      1. Subcontract Review
      2. Subcontractor Coordination Meetings
   D. Purchasing, Expediting and Receiving
      1. Purchasing Office and Field
      2. Approving Materials for Fabrication
      3. Expediting and Receiving Materials and Supplies
   E. Project Completion and Close-Out
      1. Project Completion and Close-Out: An Overview
      2. Project Completion
      3. Project Close-Out