CLASS INFORMATION:
Room: RTH 105
Meeting Time: Tuesday 3:30 to 6:10 pm
Office Hours: TBD

INSTRUCTOR INFORMATION:
Instructor: Michael Powell
E-mail: mbpowell@usc.edu
Cell Phone: (909) 486-4305

MATERIALS:
RS Means Heavy Construction Cost Data (Required)
Standard Estimating Practice Seventh Edition. (Sections needed will be posted)
Caterpillar Performance Handbook (Will be provided)
Cal/OSHA Pocket Guide for the Construction Industry (Will be posted on DEN)
Caltrans Standard Specifications (Will be posted on DEN)
Students may be responsible to purchase sample documents as course requires.
All other materials will be provided.

COURSE DESCRIPTION:
This course is designed to provide the students with a solid foundation of general heavy civil
construction means and methods, the development and implementation of schedule, cost, and how they
affect the approach to the project and its overall cost development.

COURSE OBJECTIVES:
• To familiarize the student with various methods of heavy construction.
• To reinforce the student understanding of indirect and direct costs as they are related to heavy
  construction contracting.
• To develop the fundamental skills of plan reading and the application of standard plans and
  specifications.
• To ultimately allow the student to produce a comprehensive, detailed unit price estimate in accordance
  with a heavy construction project.

READING ASSIGNMENTS: Reading Assignments will be given in class to be covered in the next lecture.
Students should be prepared to discuss the assigned information in class; this will be a major portion of the class
participation percentage of the overall grade.

HOMEWORK: Homework assignments will be given each week to reinforce the information presented in the
reading assignment(s). Homework will be due at the beginning of the required class period; late assignments will be
reduced by 10% for each class they are late.

TEAM PROJECT: An actual heavy construction project will form the basis for the final project that will be due
on the last day of class. Students will work in teams to produce and submit a detailed cost estimate for the specified
project, to include all required backup for the unit prices submitted.

FIELD TRIPS: Several during the semester. Recommended, but optional.

GRADING POLICY:
COURSE GRADING: Mid-Term Exam: 20%  GRADING SCALE: 90-100% A
Quizzes: 15%  80-89% B
Homework: 35%  70-79% C
Team Project: (Final) 20%  60-69% D
Attendance/Participation 10%  Below 60% F
100%
Policies

Attendance
Regular attendance will be taken. A sign sheet will be passed around at the beginning of each class. Homework and examinations will rely heavily on the information discussed and reviewed in each class session.

Late Work
- Homework will be due at the beginning of each class session, one week after the assignment handout date.
- Solutions will be discussed in class and posted on Blackboard within two weeks after the assignment due date.
- Homework may be submitted late. But before the solutions are posted. A 50% reduction in credit will be applied for late homework submitted before the solution is posted. After that no credit only 25% credit will be given of the total graded score.

Important Dates
- Last Day to Add Class: September 9, 2011
- Last Day to Drop without “W”: September 9, 2011
- Last Day to Drop with “W”: November 11, 2011
- Quiz #1: September 13, 2011
- Mid Term: October 18, 2011
- Quiz #2: November 15, 2011
- Final Exam: December 13, 2011 (2-4 PM)