SYLLABUS

CIVIL ENGINEERING 557

SPRING 2012

TUESDAY, 6:40 PM TO 9:20 PM

RONALD TUTOR HALL, ROOM 115

TEXT: RS Means 2012 Building Construction Cost Data
70th Annual Edition
RS Means Company
Published by Reed Construction Data
ISBN 978-1-936335-29-9

Professor Len Marvin, AIA, CSI, CMAA, LEED

lenmarvi@usc.edu
8:00 AM to 5:00 PM Monday thru Thursday
8:00 to 12:00 Noon Friday
USC Office Hours:
5:30 PM to 6:30 PM on Tuesdays in Tutor Hall Cafe

GRADING CRITERIA:

   Classroom Participation: 5%
   Jobsite Tour Attendance  15%
   Estimating Assignments:  80%

COURSE CONTENT:

A. Objectives:
   1. Fulfill degree requirements.
   2. Become familiar with construction materials and methods.
   3. Become familiar with principles of construction estimating
   4. Develop knowledge and skills for practicing the profession of architecture and
      construction.

B. Instruction:
   1. Includes lectures, estimating assignments and jobsite visits.
   2. Students are expected to fully participate in classroom discussions.
   3. Students are expected to attend all of the three jobsite tours.
   4. Tardiness will not be tolerated.
   5. Absences are excused only with prior approval via e-mail and/or telephone.
      Two (2) unexcused absences will result in a failure grade.
   6. Cell phones and pagers must be turned off during class.
C. Estimating Assignments:
   1. The estimating assignments relating to the various building components and systems are listed in the class schedule.
   2. Each student is expected to do all of the estimating assignments.
   3. You may consult with each other when doing these assignments.
   4. Each estimating assignment must ultimately be the individual work of each student. These assignments are NOT meant to be group assignments.

D. Field Trips

During the semester, we will visit several construction sites to conduct research studies, discussions and on-site observation of projects under construction. These construction site visits will be scheduled outside of class time on Saturday mornings. We will announce these field trips in the class syllabus if possible. You are required to attend all three of these Saturday morning jobsite visits.

E. Students with Disabilities:

Any student requesting academic accommodations based upon a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me as early in the semester as possible. Your letter must be specific as to the nature of the accommodations granted. DSP is located in STU 301 and is open from 8:30 am to 5:00 pm, Monday through Friday. The telephone number for DSP is (213) 740-0776.

F. Academic Integrity:

The University, as an instrument of learning, is predicated on the existence of an element of integrity. As members of the academic community, faculty, students and administrative officials share the responsibility for maintaining this environment. Faculty have the primary responsibility for establishing and maintaining an atmosphere and attitude of academic integrity such that the learning environment may flourish in an open and honest manner. Students share this responsibility for maintaining standards of academic performance and classroom behavior conductive to the learning process. Administrative officials are responsible for the establishment and maintenance of procedures to support and enforce those academic standards. Thus, the entire University community bears the responsibility for maintaining an environment of integrity and for taking the appropriate action to sanction individuals involved in a violation. When there is a clear indication that any individual is unwilling or unable to support these standards, the individual should not be allowed to remain at the University.
Academic dishonest includes:

a. Examination behavior – any use of external assistance during an examination or quiz shall be considered academically dishonest unless expressly permitted by the teacher.

b. Fabrication – any intentional falsification or invention of data or citation in an academic exercise will be considered a violation of academic integrity.

c. Plagiarism – the appropriation and subsequent passing off of another’s ideas, words, or work as one’s one. If the ideas, words or work or another are used, acknowledgement of the original source must be made through recognized referencing practices.

d. Other types of Academic Dishonesty – submitting a paper or assignment written by or obtained from another, using a paper or essay in more than one class without the teacher’s express permission, obtaining a copy of an examination or quiz in advance without the knowledge and consent of the teacher, changing academic records outside of normal procedures and/or petitions, using another person to complete homework assignments, take-home exams or chapter projects without the knowledge and consent of the teacher.

The use of unauthorized material or communication with a fellow student or students for quizzes and examinations, attempting to benefit from work of another student, past or present similar behavior that defeats the intent of the quiz or examination, is unacceptable to the University. It is often difficult to distinguish between a culpable act and inadvertent behavior resulting from nervous tensions accompanying quizzes and examinations. However, where a clear violation has occurred, the instructor may disqualify the student’s work as unacceptable and assign a failing mark for the assignment, quiz or examination.

G. Course Outline:

1. Tuesday, January 10, 2012  Introduction
2. Tuesday, January 17, 2012  Receive drawing sets
   Assign footings
3. Tuesday, January 24, 2012  *Discuss footings
   Assign slab-on-grade, masonry walls and second floor slab
4. Tuesday, January 31, 2012  NO CLASS / SATURDAY JOBSITE TOUR
5. Saturday, February 4, 2012  SATURDAY JOBSITE TOUR (9:00 AM TO 12:00 Noon)
6. Tuesday, February 7, 2012  *Discuss slab-on-grade, masonry walls and second floor slab
   Assign second floor structural steel
7. Tuesday, February 14, 2012  NO CLASS / SATURDAY JOBSITE TOUR
8. Tuesday, February 21, 2012  *Discuss second floor structural steel
   Assign roofing and waterproofing
<table>
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<tr>
<th>Date</th>
<th>Event</th>
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<tr>
<td>Saturday, February 25, 2012</td>
<td>SATURDAY JOBSITE TOUR (9:00 AM TO 12:00 Noon)</td>
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| Tuesday, February 28, 2012   | *Discuss roofing and waterproofing  
Assign second floor doors and windows       |
| Tuesday, March 6, 2012       | *Discuss second floor doors and windows  
Assign second floor metal studs and gypsum board |
| Tuesday, March 13, 2012      | NO CLASS / SPRING BREAK                                           |
| Tuesday, March 20, 2012      | *Discuss second floor metal studs and gypsum board  
Assign second floor plaster, tile and painting |
| Tuesday, March 27, 2012      | *Discuss second floor plaster, tile and painting  
Assign specialties and elevators          |
| Tuesday, April 3, 2012       | *Discuss specialties and elevators  
Assign second floor mechanical and plumbing |
| Saturday, April 7, 2012      | SATURDAY JOBSITE TOUR (9:00 AM to 12:00 Noon)                   |
| Tuesday, April 10, 2012      | *Discuss second floor mechanical and plumbing  
Assign second floor electrical             |
| Tuesday, April 17, 2012      | NO CLASS / AGC SYMPOSIUM                                          |
| Tuesday, April 24, 2012      | *Discuss second floor electrical  
Discuss general items  
Last day of class                         |

* Assignment to be completed for class by this date

END OF SYLLABUS