

University of Florida, Department of Civil Engineering  
**CCE 4015 - CIVIL ENGINEERING ESTIMATING**

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Spring Semester 2015  
MWF 6<sup>th</sup>  
Section 2855  
Room: Weil 234

**OFFICE HOURS** – Send-me an e-mail to set up a meeting time.

**COURSE TEXT** – The text for CCE 4015 will be: “*Estimating in Building Construction, Dagostino and Peterson,*” 8<sup>th</sup> ed., Prentice Hall. Notes, handouts, and construction documents will be used in conjunction with lectures and text.

**COURSE GOALS AND OBJECTIVES** – The objectives of this course are to provide civil engineering students with a working knowledge of the art and science of estimating and its importance to all participants on a construction/engineered project.

1. Students will be able to read a set of construction drawings and perform detailed quantity take-offs of a specific project. Construction processes and methods will also be learned.
2. Students will be able to perform cost estimates from preliminary budgeting through detailed estimates required for bidding and project budgeting.
3. Students will acquire an understanding of the breakdown of project cost components as advanced by the Construction Specifications Institute (CSI) Uniform System of divisions of work.
4. Students will learn the importance and application of the estimating process in relationship to project budgets and schedules.
5. Students will be able to design computer spreadsheet applications for cost estimating.
6. Students will be introduced into the use of estimating software, become familiar with R.S. Means, LEED, Graphic Standards, AutoCad and BIM.
7. Students will gain a respect for the importance of the estimating process from the perspective of the designer, owner, and the contractor
8. Students will learn group participation skills through working on assignments during the term.
9. Students will learn communication skills through group presentations before their peers.

**GUEST LECTURERS** – Guest lecturer(s) will be scheduled as available during the term. You will be responsible for information from the lecture(s) which will be included on the tests/quizzes.

**HOMEWORK** – Homework assignments (Chapter Questions) will be given throughout the term. Homework assignments are for your own use to prepare you for the tests and will not be graded. Answers to questions may come from outside references such as the internet, R.S. Means, etc., your assigned text, and/or handouts such as specifications and drawings.

**LATE WORK** – Completing assignments on time is an important component of professional practice. **Unexcused late work will not be accepted.**

**MAKE-UP OF EXAMS** – Make-up exams only given for unavoidable emergencies or prior arrangement.

**GRADES:**

<i>ATTENDANCE/QUIZZES</i>		
<i>(5 to 10 RANDOM QUIZZES @ 10 PTS. EACH)</i>		<i>100 PTS.</i>
<i>(2 GUESS SPEAKER ATTENDANCES @ 5 PTS. EACH)</i>		<i>10 PTS.</i>
<i>(IF ALL TAKEN)</i>		<i>20 PTS.</i>
<i>TESTS</i>	<i>2 × 100, 2 × 60 &amp; 2 × 40</i>	<i>400 PTS.</i>
<i>PRESENTATIONS</i>	<i>1 × 40</i>	<i>40 PTS.</i>
<b><i>TOTAL (POSSIBLE)</i></b>		<b><i>570 PTS.</i></b>
<i>A=93%</i>	<i>A-=90%</i>	<i>B+=86%</i>
<i>B=83%</i>	<i>B-=80%</i>	<i>C+=76%</i>
<i>C=73%</i>	<i>C-=70%</i>	<i>D+=66%</i>
<i>D=63%</i>	<i>D-=60%</i>	

For information on current UF grading policies for assigning grade points, please go to the following website: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

**ABSENCES** – Class participation constitutes an important part of the final grade. You are therefore required to come to class unless extreme circumstance prevents your attendance. Attendance will be noted through the use of random quizzes. These quizzes will be your attendance record and will be used to determine your final grade.

**GROUPS** – Group assignments will be made throughout the semester. For those assignments, the class will be divided into eight (8) groups with minimum of four (4) individuals per group.

**SPECIFICATION/DRAWINGS** – Specification/drawings will be handed out during class. Individuals can make additional sets as needed.

**ACCOMMODATIONS FOR STUDENTS WITH DISABILITIES** – Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.