SYLLABUS
CGN 2002 - INTRODUCTION TO CIVIL ENGINEERING

Spring 2013
Period, 8-10 Thursday
Section 6136
Room: FLG 260

Course Instructor:
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COURSE DESCRIPTION
This course introduces sophomore/junior civil engineering students to the broad field of Civil Engineering and assists them in determining the area(s) of emphasis they might want to follow for their bachelor’s degree. The course will meet as a lab on Thursday afternoons 3:00 PM which is periods 8 - 10. Room 260 Florida Gym.

PREREQUISITE/CO-REQUISITE
• Course will be limited to civil engineering students with a 2EG standing and;
• to transfer students holding an AA degree from the community college system who will be required to take this course in their first semester;
• or, with the consent of the instructor, students not meeting the above requirements but interested in transferring to Civil Engineering
To enforce the above requirements and prevent students waiting until they have reached junior/senior status from taking this course, rigorous advising will be necessary.

TEXTBOOK
There is no required textbook for this course. Informational materials will be provided at each lecture in the form of handouts.

COURSE OBJECTIVES
The primary objective of this course is to introduce civil engineering undergraduate students to the many different career choices available to them as civil engineers and to allow them to make better decisions in determining which field within the curriculum may be a better choice for their continuing study. Other objectives are to:
1. Provide students with an understanding of the relationship between their lower division math and science to the practice of Civil Engineering.
2. Introduce students to the design process for Civil Engineering component systems.
3. Provide students with an introduction into teambuilding and the requirements for team participation.
4. Introduce students to the global implications of Civil Engineering practice.
5. Expose students to current Civil Engineering projects and their societal implications.
6. Introduce students to state of the art technologies that are used in Civil Engineering practice.
7. Introduce students to the importance of communication as a tool for effective engineering practice.
8. Help students determine an undergraduate track of study within the Department
9. Provide a comprehensive overview of the component fields within civil engineering
10. Introduce students to professionalism through interaction with practicing professionals.
11. Provide examples of the materials and physical components of the practice of all areas of civil engineering through both hands-on experiments and demonstrations.

COURSE MATERIALS
Materials pertinent to each topic will be provided to students for each lecture. Other important materials will be posted on the course website.

TENTATIVE COURSE OUTLINE

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<tr>
<th>Lecture</th>
<th>Topic</th>
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<td>1</td>
<td>Introduction to the Department, Curriculum, and policies</td>
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<td>2</td>
<td>Career Resource Center</td>
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<td>Engineering, Student Organizations</td>
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<td>Materials Engineering</td>
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<td>Transportation Engineering</td>
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<td>Geotechnical Engineering</td>
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<td>Public Works Engineering</td>
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<td>Environmental Engineering</td>
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<td>General Civil Engineering</td>
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<td>Consulting &amp; Professional Practice</td>
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<td>14</td>
<td>Water Resources Engineering</td>
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<td>13</td>
<td>Construction Engineering</td>
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<td>14</td>
<td>Coastal Engineering</td>
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CONTRIBUTION OF COURSE TO MEETING THE PROFESSIONAL COMPONENT
It is the intent that this course to stimulate professional curiosity and growth in undergraduate students to intensify their desire to pursue a professional career in engineering. Communication in both written and oral form will be required. Students will be divided into teams for the purpose of experimentation and demonstration as well as for assignments. Each student group will be required to complete a comprehensive exercise for one of the practice areas (to be assigned). Teams will make a presentation of this exercise to the class and distribute copies of the completed assignment to each student.

ATTENDANCE
Attendance is mandatory and will be taken every class. Attendance will be accounted for in two manors. Students will be required to take a short, five-question, scan-tron quiz at the beginning of every class. This quiz is not intended to be difficult and will be simple questions about the material covered by the presenter in the previous week’s presentation. Students will also be required to evaluate each of the presentations and to turn in this document prior to leaving the class. These two documents will serve as a means for determining full attendance. Unless BOTH (quiz and evaluation) are received, you will not be given credit for attending the class.

MAKE-UP POLICY
Prior consent of the instructor or a doctor’s certificate of illness are the only satisfactory excuses for missed classes. If (and only if) you request and receive prior permission to miss a class, the
absence can be expunged by your performing the necessary research and writing a **3-PAGE PAPER** on the missed topic. If you do not receive prior permission, you may not make up this missed class. This will be strictly enforced; no exceptions except a genuine emergency that did not allow you to make contact prior to missing class.

**GRADING**

Your final grade is based entirely on attendance. There are fourteen classes and each class will count as ‘1’ point. The grading scale is as follows:

\[
14 = A, \ 13 = B, \ 12 = B, \ 11 = C, \ 10 = D, \ 9 = D, \ 8 = D, \ \leq \ 7 = E
\]

Attendance will be tracked in the SAKAI course management system. Students will receive a ‘1’ for each attendance. If you receive a ‘0’ that means you did not receive attendance for the class. If a class date is blank, do not panic, that means I have not yet entered that days attendance. I will attempt to enter attendance before the next week’s class; however, like all of you I am busy and have other responsibilities. Please do not email me asking if you received credit for the class if nothing has been posted yet to SAKAI.

Please check you attendance regularly for errors. With 100+ students in the class it is very common for a student to forget to put their name on the survey or I make an error while tallying attendance. I retain all original documents and we can check the originals together if you believe your attendance is calculated incorrectly. The original sign in sheets however are the final authority.

**REMINDER:** Prior consent of the instructor or a doctor’s certificate of illness are the only satisfactory excuses for missing class. However, if (and only if) you request and receive prior permission to miss a class, the absence can be expunged by your performing the necessary research and writing a **3-PAGE PAPER** on the missed topic. If you do not receive prior permission, you may not make up this missed class. This will be strictly enforced.

More information on UF’s grading policy can be found at: [https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx](https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx)

**COURSE WEB SITE**

The course website will be set up on SAKIA. SAKAI can be accessed at [https://lss.at.ufl.edu/](https://lss.at.ufl.edu/). If you need assistance with the e-learning system please contact the Academic Technology Department at learning-support@ufl.edu. It is the student’s responsibility to ensure that they review the homepage regularly to ensure that they are aware and comply with any changes in the syllabus, class meetings or other requirements prior to coming to class.

**STUDENT CONDUCT**

- You are expected to act professionally in this class.
- Using cell phones is strictly prohibited, this includes texting. Students using cell phones will be asked to leave. Please place your ringer on silent before entering class.
- Reading or working on other materials while in this class is prohibited and is not only RUDE, but adversely reflects on you personally.
- This class is LAPTOPS DOWN; use of a computer is not required. Students using computers during the class will be asked to leave.
- Hats will not be worn during class except for religious, medical or military purposes.
- Coming in after role has been taken will result in an absence.
**Honesty Policy** – All students admitted to the University of Florida have signed a statement of academic honesty committing themselves to be honest in all academic work and understanding that failure to comply with this commitment will result in disciplinary action. This statement is a reminder to uphold your obligation as a UF student and to be honest in all work submitted and exams taken in this course and all others. **In this class, since attendance is the majority of your grade, anyone caught completing a quiz for another student or turning in a lecture evaluation for another student will automatically be expelled from the class and receive an “E” for the term.**

**Accommodation for Students with Disabilities** – Students requesting classroom accommodation must first register with the Dean of Students Office. That office will provide the student with documentation that he/she must provide to the course instructor when requesting accommodation.

**UF Counseling Services** – Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:

- University Counseling Center, 301 Peabody Hall, 392-1575, Personal and Career Counseling.
- SHCC mental Health, Student Health Care Center, 392-1171, Personal and Counseling.
- Center for Sexual Assault/Abuse Recovery and Education (CARE), Student Health Care Center, 392-1161, sexual assault counseling.
- Career Resource Center, Reitz Union, 392-1601, career development assistance and counseling.

**Software Use** – All faculty, staff and student of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate. We, the members of the University of Florida community, pledge to uphold ourselves and our peers to the highest standards of honesty and integrity.