



## **CE 1000 – Orientation to Civil and Construction Engineering Professions**

### **Instructor Details**

**Instructor:** Roneisha Worthy, PhD  
**My Office:** L-159  
**Office Hrs:** Mondays: 12:00 – 1:00 pm,  
2:00 – 3:00 pm  
Wednesdays: 12:00 – 1:00, 2:00  
– 3:00 pm  
Tuesdays: By Appointment  
Only  
**Email add:** rworthy@kennesaw.edu  
**Office Phone:** 678-915-3076

### **Course Details**

**Term:** Spring 2017  
**Classroom:** M100  
**Time:** M 1:00-1:50  
**Credit Hours:** 1-0-1 (Lecture-Lab-Total)  
**Prerequisites:** None  
**Corequisite:** None

**COURSE DESCRIPTION:** Introduction to the professional practice and options within the disciplines of civil engineering, environmental engineering, construction engineering and surveying and mapping: career opportunities, professional licensing, and industry expectations in the professional disciplines, as well as department policies on advisement and curriculum requirements to graduation.

**REQUIRED or ELECTIVE:** Required.

**REQUIRED TEXT:** Design Concepts for Engineers by Mike N. Horenstein, 5<sup>th</sup> Edition 2016 (ISBN-13: 978-0-13-400187-6, ISBN-10: 0-13-400187-7)

**NCEES: FE Reference Handbook.** This text can also be downloaded for FREE in the provided link below (<http://ncees.org/exams/study-materials/download-fe-supplied-reference-handbook/>).

**REFERENCE:** A Comprehensive Guide to Career Decisions in Engineering by Celeste Baine, 4<sup>th</sup> Edition, Engineering Education Service Center, 2013.

**Studying Engineering, A Road Map to a Rewarding Career** by R.B. Landis, 2007.

**Engineering Ethics** by C.E. Harris, M.S. Pritchard, and M.J. Robins, 3<sup>rd</sup> Edition, 2005.

**Engineering Fundamentals: An Introduction to Engineering** by Saeed Moaveni, 2002.

**The American Civil Engineer 1852-2001** by H. Wisely, American Society of Civil Engineers, 2002.

**An Introduction to Engineering, A Short Cut** by William C. Oakes, et. Al Great Lakes Press, Inc. 2003.

**OTHER MATERIALS:** Handouts may be provided as needed. **KSU email** and **Desire 2 Learn (D2L)** systems will be used for messages and part of the content delivery. Students should access these sites regularly.

**COURSE LEARNING OUTCOMES:** Upon successful completion of this course, students shall be able to:

1. Identify the different career opportunities and activities of a new graduate in advancing their career;
2. Describe important oral and written communication skills and other positive traits of graduates sought by industry;
3. Apply the engineering code of ethics to types of problems which occur in practice;
4. Explain the process of professional registration as an engineer or land surveyor in the state of Georgia;
5. Develop a plan of study to meet curriculum requirements and personal objectives;
6. Explain the advantages and activities of membership in ASCE and the other student clubs;
7. Explain the importance of working effectively as a team member or leader of diverse project teams in professional practice; and
8. Identify your faculty advisor and follow advisement requirements within the department.

**COURSE REQUIREMENTS:**

1. **Attendance:** Attendance and participation in class and all assignments and projects is mandatory. Advance notice of an absence should be provided whenever possible. Makeup exams, quizzes, and acceptance of late assignments will be considered only for documented medical reasons, emergency circumstances, or other university sponsored activities. *The instructor can initiate withdrawal of a student from the course or fail the student in the course if a student is absent in 3 classes without any valid reason/excuse.*
2. **Homework:** All assignments should be submitted on D2L on the posted due date. NO LATE ASSIGNMENTS WILL BE ACCEPTED. *Exceptions may be considered in case of illness, serious emergencies, or other university sponsored activities. However, appropriate evidence must be presented in order to qualify for exceptions.*
3. **Cheating:** Cheating on assignment and particularly on the exams/quizzes will not be tolerated. If you are caught cheating, you will get zero on the exam/quiz. You will be asked to move if you are caught looking at another student's work. The instructor reserves the right to remove any student from the class if the student's behavior is of a disruptive nature or if there is an evidence of academic dishonesty.
4. **Class/Lab Decorum:** No cell phone use, checking emails, eating, and/or multitasking are allowed during the class. For emergency, cell phone can be operated in vibration mode; however, students can receive an emergency call only stepping out of the class room. *No feet on the table and/or on the nearby chair are allowed during the class.* It is also encouraged not to bring any foods in the class.
5. **What is Plagiarism?** KSU defines Plagiarism as the practice of taking someone else's work or ideas and passing them off as one's own. When unaware or uncertain on how to properly cite a particular source, please do not neglect to add the citation — KSU considers not doing so as plagiarism. If you have questions on how to cite your work, please contact me

immediately! For more information, please refer to the “Plagiarism Policy” under the *Policies* section of this syllabus.

6. **Plagiarism Policy:** KSU considers committing plagiarism as an act of academic dishonesty, and takes all occurrences very seriously. Any instances where academic dishonesty is suspected will result in an automatic grade of a zero for all students involved. The instructor reserves the right to remove any student from the class if the student’s behavior is of a disruptive nature or if there is an evidence of academic dishonesty. Further disciplinary action may be taken such as suspension or expulsion from the University.
7. **FERPA:** The Family Education Rights and Privacy Act (FERPA) is a federal law designed to protect the privacy of educational records by limiting access to these records, and precludes Southern Polytechnic State University from providing information regarding the student to anyone without written authorization. Examples of records not released are grades; grade point average; the specific number of hours/credits enrolled, passed, or failed; Social Security Number; student ID number; name of parents or next of kin; and/or residency status.
8. **Ethics/Sexual Harassment Policy:** Sexual harassment in any situation is reprehensible. It subverts the mission of the University, and threatens the careers of students, faculty, and staff. It is viewed as a violation of Title VII of the 1964 Civil Rights Act as amended by the 1991 Civil Rights Act. Sexual harassment will not be tolerated at Southern Polytechnic. Southern Polytechnic State University is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, religion, color, sex, national origin, disability, age, sexual orientation, or veteran status. In adhering to this policy, the University abides by the requirements of Title IX of the Education Amendments of 1972; by Title VII of the Civil Rights Act of 1964, as amended by the Civil Rights Acts of 1991; by Sections 504 and 504 of Rehabilitation Act of 1973; by Executive Order 11246, as amended by 38 U.S.C. 2012; the Vietnam Era Veterans Readjustment Assistance Act of 1972, as amended; and by other applicable statutes and regulations relating to equality of opportunity. This policy on sexual harassment applies to the entire University and to the conduct of students, faculty, and staff alike.
9. **Honor Code:** KSU has an Honor Code and a procedure for handling cases when academic misconduct is alleged. All students should be aware of them. Information about the Honor Code and the misconduct procedure may be found at <http://www.spsu.edu/honorcode/>.
10. **ADA Provisions:** “Students with disabilities, as defined by the Americans with Disabilities Act (ADA) of 1990, should contact the instructor during the first week of the semester regarding the accommodations necessary to complete the requirements of this course. The instructor, with the help of KSU, will make reasonable adjustments to take into consideration the specific handicap of each student covered under the ADA. The students can also contact KSU ADA coordinator at 678-915-7244 for additional help.”
11. **Communications, Grading, and Response Timeframe:** The best way to communicate with an instructor is by KSU email. Grading of homework/ assignments /exams may take at

least one week. I will try to respond to any discussions/ comments/ questions within 48 hours. However, I may not be available during the weekend.

12. **Grade Dispute/Appeal:** Final grade dispute/appeal must be submitted within a week of the final exam. The procedure has been outlined in the KSU website.

**13. Contacts to get Help:**

- For D2L Technical Support, go to <https://d2lhelp.view.usg.edu/> or call 678-915-HELP
- For Wimba Technical Support, go to <http://www.wimba.com/services/support/>
- For KSU Writing Center help, go to [writingcenter.kennesaw.edu](http://writingcenter.kennesaw.edu) or stop by English Building, Room 242 (Kennesaw campus) or Johnson Library, Room 121 (Marietta campus)

**GRADING POLICY:** All exams, quizzes, and assignments must be completed satisfactorily in order to pass the course. The evaluation process described below is subject to change by the instructor. Changes will be announced in class.

<b><u>Class Grade Components:</u></b>		<b><u>Class Grading scale and letter grade</u></b>	
Homework	40%	>90	A
Assignments			
Design	Project 40%	89.4 – 80	B
Assignments			
Teamwork, Class	20%	79.4 – 70	C
Conduct and			
Participation		69.4 – 60	D
		<60	F
Total	100%	Withdrawal after deadline	WF

The following symbols are approved for use in the cases indicated, but will not be included in the determination of the grade point average.

**"I"** This symbol indicates that the student was doing satisfactory work but, for non-academic reasons beyond his control, was unable to meet the full requirements of the course. The requirements for removal of an "I" are left to the respective institutions; however, if an "I" is not satisfactorily removed after three quarters of residence, the symbol "I" will be changed to the grade "F" by the appropriate official. (See Southern Tech policy - Removal of an Incomplete "I", on page 2).

**"W"** This symbol indicates that a student was permitted to withdraw without penalty. Withdrawals without penalty will not be permitted after the mid-point of the total grading period (including final examinations) except in cases of hardship as determined by the appropriate official of the respective institution.

**"V"** This symbol indicates that a student was given permission to audit this course. Students may not transfer from audit to credit status or vice versa.

**"K"** This symbol indicates that a student was given credit for the course via a credit by examination program approved by the respective institution's faculty (CLEP, AP, Proficiency, etc.)