

CE 4195 – Senior Professional Orientation (SPO) Fall 2019

Course Description:

This course is a review of most of the technical courses included in the CE curriculum. It is intended to provide students with a retrospective summary of the CE curriculum as a last-minute preparation for employment as a civil engineer. It will also help prepare students for passing the Fundamentals of Engineering exam. The class schedule is attached, showing the dates when each of the subject areas will be covered.

Textbook and Review Materials

No textbook is required, but there are several FE Review Manuals available. During tests, students may use the Fundamentals of Engineering Supplied Reference Handbook (or appropriate sections therefrom). This handbook may be purchased or downloaded from the NCEES website shown below.

There are many subject review materials available on the internet. Videos and slides that are most appropriate for this course are accessible in Blackboard for your use in completing the homework assignments and in preparing for the in-class exams.

Homework

Homework assignments will be completed through Quest Learning and Assessment (<https://quest.cns.utexas.edu>), a web-based content and homework delivery system maintained by The University of Texas at Austin. Homework assignments will be posted on Wednesday and will be due by 11:00 PM the following Sunday. The solutions to the homework will be available on Monday (one day after the homework due date) for you to review in preparation for the exam on the same subject on Tuesday. Please go to <https://wikis.utexas.edu/display/questla/Obtaining+a+University+of+Texas+EID> for instructions on how to sign up for the Quest system for this class (UTEP, Fall 2019, CE 4195 SPO, 16518). During the beginning of this course, when you log into Quest, you will be asked to pay \$30 via credit card on a secure payment site (<https://getquest.cns.utexas.edu/students/collegiate-subscriptions>), which goes toward the maintenance and operation of the online resource. Billing for the Fall 2019 Semester will begin about two weeks after the semester starts (check Quest website).

Missing Exams/Assignments:

No make-up exams or assignments will be given, but one exam grade and one homework grade will be dropped in calculating the final course averages. If more than one exam or homework assignment is missed, a grade of zero will be assigned to those exams and/or homework assignments. After any combination of three missed homework assignments and/or exams, the student will be dropped from the course for non-participation.

Method of Evaluation:

The final grade will be determined from the average of the homework grades (30%) and grades on the regular exams (70%).

Attendance

Attendance is required for the in-class exams that will be administered on Tuesday afternoon at 4:30 PM – 5:30 PM. It is expected that students will use the remaining scheduled class time to review the subject videos and/or otherwise prepare for the next subject exam.

Grade Determination

<u>Average for the Course*</u>	<u>Course Grade</u>
≥90	A
80-89	B
70-79	C
55-69	D
<55	F

Class Schedule CE 4195- Fall 2019

<u>Date</u>	<u>Subject</u>
Aug 27	Introduction
Sep 3	Homework Assignment
10	Math
17	Statics
24	Mechanics of Materials
Oct 1	Engineering Economy
8	Dynamics
15	Thermo & Fluids
22	Environmental, Water & Wastewater Engr
29	Probability and Statistics
Nov 5	Construction & Ethics
12	Hydraulics & Hydrologic Systems
19	Structural Analysis & Design
26	Transportation Engineering
Dec 3	Geotechnical Engineering

Class Meeting Time/Place: 4:30 – 7:20 PM Tuesday in Business 304

Information about the FE: <http://www.ncees.org/exams/>

What calculators may I bring to the exam? See NCEES web site for approved list

If you have a disability and need classroom accommodations, please contact The Center for Accommodations and Support Services (CASS) at 747-5148, or by email to cass@utep.edu, or visit their office located in UTEP Union East, Room 106. For additional information, please visit the CASS website at www.sa.utep.edu/cass.