

Fall 2020 CEE 400: Introduction to Civil Engineering

<https://courses.unh.edu/class/202010/14127>

Description: Introduction to the civil engineering profession: structural, geotechnical, water resources, materials, and environmental. Overviews the civil project process including the creative design process, teamwork, bidding and construction. The relationship between civil engineering works and society including ethics, earthquakes, failures, successful signature structures, current events, and professional licensure. The production of professional engineering documents including writing tasks and calculations sets. Campus resources, the University system, and relationship between required curriculum, student objectives, and the civil engineering profession. Introduction to spreadsheet software, data analysis, and probability and statistics.

Schedule: MWF 1010-1100 AM

Room: Murkland Hall, Room 115

Instructor: Raymond A Cook, Ph.D., P.E., ray.cook@unh.edu

Text books, titles, authors, and years:

Elements of Style, Strunk (4th Edition)

Studying Engineering, Landis (5th Edition)

Content Delivery:

It is anticipated that most CEE 400 lectures will be delivered in a face-to-face format requiring students to have appropriate PPE and distancing.

At the same time the class will be broadcast in a synchronous manner, (meaning it will be a live broadcast of what is happening in the classroom). The synchronous broadcast will be recorded for later viewing.

Students who are not in the classroom will have the opportunity to ask questions during class via ZOOM.

Additional asynchronous videos and other asynchronous material will be made available in the CEE 400 Canvas pages.

No matter which delivery format is used, students will be expected to “attend” class and be prepared to ask questions and answer questions. Students who are not physically in class will be required to have video cameras up and running with video on.

Assessment:

All assignments will be posted in Canvas as well as links to the recordings of the synchronous broadcasts.

Six to eight homework assignments are anticipated that will be submitted electronically via Canvas.

Weekly quizzes are expected on Wednesday mornings covering reading and other assignments.

One mid-term examination and one final examination are expected, the format of which is yet to be determined.

Students will be required to be able to scan or use a scanner app to convert hand work on paper to .pdf files for some assessments and assignments.

Note: Accommodations for remote administration of any examination will be made on an individual basis following University policies and after timely consultation with course instructor.