

Fall 2020 CEE 420: Environmental Engineering Lectures 1

<https://courses.unh.edu/class/202010/14120>

Description: Introduces the profession, the environmental engineer as planner, designer, problem solver, and interdisciplinary team player; and the goals of the environmental engineering curriculum. Lectures by faculty and practitioners. Introduction to computer skills required for environmental engineering. Engineering ethics.

Schedule: TR 11:10AM-12:00PM

Room: PARS N108

Instructor: Nancy E. Kinner, Professor Civil and Environmental Engineering,
Nancy.kinner@unh.edu; 603-479-3777

Text book, title author, and year: No textbook. Readings posted on My Courses for CEE 420

Content Delivery:

CEE 420 will be delivered in a face-to-face format requiring students to have appropriate PPE (i.e., appropriate face covering) and practice at least 6 ft physical 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 will have the opportunity to ask questions during class via ZOOM chats. Prof. Kinner will repeat questions asked in the classroom to insure students participating on-line can hear them.

Additional asynchronous videos and other asynchronous material will be made available in the CEE 420 My Courses pages.

No matter which delivery format is used, students will be expected to “attend” class and be prepared to ask questions and answer questions. The class is run in an interactive format. There will be a graded quiz at the being of each class based on the previous lecture.

Assessment:

All assignments will be posted on My Courses along with links to the recordings of the synchronous broadcasts.

There will be four homework assignments.

All homework and report submissions will be on-line.

There will be three hands-on field and design projects that will involve students working individually in monitored situations. (For example, during the stream monitoring project, two students in a 4 person group will go to a culvert by Gregg Hall to monitor stream conditions and take samples. They will wear PPE and practice physical distancing. Another student in their group will work in the Gregg lab testing the water samples collected, while the 4th group member will remotely monitor that student’s lab work using a Go-Pro camera feed.) Roles will alternative among the group members during the semester, so that students get a breadth of experience.

There will be a mid-term examination and a final (non-cumulative) examination. Both exams will be given on-line.

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.