

Fall 2020 CEE 520: Environmental Pollution and Protection: A Global Concept

<https://courses.unh.edu/class/202010/14121>

Description: Introduces environmental science and engineering and the anthropogenic causes of environmental change. Emphasizes the causes, effects, and controls of air, water, and land pollution. The political, ecological, economic, ethical, and engineering aspects of environmental pollution and control are discussed. Writing Intensive; Discovery Environmental, Technology & Society (ETS)

Schedule: TR 9:40-11:00 AM

Room: Online/HS 107

Instructor: Paula Mouser, Ph.D., P.E., paula.mouser@unh.edu

Clickers: We will be using iclicker technology, with app through phones.

Textbook: Not required but highly recommended

Basic Environmental Technology: Water Supply, Waste Disposal, and Pollution, 6th Edition - J.A. Nathanson, John Wiley & Sons

Course Materials: Lecture notes will be posted in advance via Canvas.

Content Delivery:

CEE 520 will be delivered in a ZOOM synchronous manner, (meaning it will be a live broadcast of lectures and guest speakers). Students are expected to attend live classes, interact through ZOOM during lecture, and be prepared to ask and answer questions via ZOOM chats. Additional asynchronous videos (e.g., virtual tours) will be available on the CEE 520 Canvas site. All course materials, including lecture notes, virtual tours, quizzes and exams will be available via the CEE 520 Canvas site.

Field Trips:

Students will take four "virtual" tours to water, wastewater, landfill, and energy facilities. Students will also independently travel to local stormwater sites via foot to learn more about stormwater control systems.

Assessment:

All assignments will be posted in Canvas.

Daily quizzes will be during the class period.

Five virtual tour summaries and one final project will be submitted electronically.

There will be 2 mid-term examinations and 1 final examination

Delivery format has not yet been determined; preference is for the mid-terms to in-person and the final to be administered online.

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.