

CEE 721 Environmental Sampling and Analysis

<https://courses.unh.edu/class/202010/14123>

Instructor: Dr. Weiwei Mo, Assistant Professor weiwei.mo@unh.edu

Lecture: Tuesday and Thursday 9:40-11:00am @ online or MCC 220

Lab: Thursday 3:40-5:00pm @ virtual or Kingsbury S174 and S175

Recommended Textbook: Zhang, C. Fundamentals of Environmental Sampling and Analysis. John Wiley, New York (2007)

Course Description: The purpose of this course is to familiarize students with the techniques and concepts behind laboratory analysis and field sampling for a variety of environmental parameters. Heavy emphasis will be placed on quality control of the data and familiarizing environmental engineers with methods, instrumentation and sampling useful in their careers.

Content Delivery: Lectures may be delivered in person or online depending on the condition after campus reopening. If to be delivered in person, appropriate PPE and social distancing will be required. The in-person lectures will be broadcasted synchronously. If to be delivered virtually, Zoom lectures will be given during the scheduled class time. The lectures, no matter delivered in person or virtually, will be recorded and shared through Canvas to allow viewing afterwards. No matter what deliver format is used, students will be expected to “attend” class and be prepared to ask and answer questions. The class will run in an interactive format.

Labs will be a combination of virtual and in-person labs. Four of the seven labs are currently planned to be delivered in person with small groups rotating. Students will be prepared to wear PPE and maintain social distancing during the lab sessions. The remaining labs will be delivered virtually. Students will watch laboratory videos asynchronously and work in groups to analyze data and prepare lab reports.

If you cannot be on campus during the fall semester for medical and other reasons and have to take this class entirely online, I am happy to work out a plan with you upon receiving official notification from the university about your need of special accommodation.

Assessment: All assignments and quizzes will be posted on Canvas. Only electronic submissions of assignments and lab reports through Canvas will be accepted. All exams will be administered online.

Mid-term exam	15%
Four homework assignments	30% (7.5% each)
Two technical lab reports	20% (10% each)
Five short lab reports	10% (2% each)
Quizzes	10%
Final exam	15%

Notes:

- (1) Accommodations for remote administration of any examination will be made on an individual basis following University policies and after timely consultation with course instructor and UNH SAS.
- (2) This document is for student's planning purpose, actual course syllabus and policy document will be provided to student on first day of classes.