

Fall 2020 CEE 705/805 Introduction to Sustainable Engineering

<https://courses.unh.edu/class/202010/14125>

Description: How do we, as engineers and citizens, identify and solve the most complex and systemic challenges facing our communities? This inter-disciplinary course will explore the concepts, theories, and tools of sustainability that we use to understand and address these challenges. This starts with learning what sustainable development is, how we define and measure it, and the role that engineering plays in working towards and against societal, economic, and environmental goals. This requires integrating concepts from civil and environmental engineering, economics, industrial ecology, architecture, urban planning, and more.

Schedule: TR 210 PM-330 PM

Room: NESM 125

Instructor: Kyle Kwiatowski, Ph.D., kyle.kwiatowski@unh.edu

Text book, title author, and year: No required textbook. Course materials via Canvas.

Content Delivery:

CEE 705/805 will be delivered in a hybrid fashion. Lectures will be primarily online using a combination of synchronous Zoom meetings and asynchronous recordings. There will also be periodic in-person problem-solving/help sessions. Students are expected to be interactive during synchronous Zoom meetings and live online discussions.

All course materials will be available via the CEE 705 Canvas site. This includes readings, videos, discussions, Q&A, and assignments.

Assessment:

All assignments will be posted in Canvas. All descriptions below are approximate. All final course details will be provided in the course syllabus.

5-6 homework assignments submitted electronically via Canvas

Periodic quizzes

1 examination and 1 final project, both most likely 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.