

Fall 2020 CEE 704/804: Transportation Engineering and Planning

<https://courses.unh.edu/class/202010/14170>

Description: This course applies data analysis, research, and design to describe, analyze, and propose solutions to real-world transportation problems. There will be guest lecturers throughout the course on local and cutting edge transportation topics. The course will mainly cover the basics of transportation systems, fundamentals of traffic flow, highway design for performance and safety, intersection analysis, roadway geometry, and fundamentals of transportation planning.

Schedule: TR 1110 AM-1230 PM

Room: KING S 320

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

Text book, title author, and year: There will be a required textbook that can be purchased as a print or electronic copy. Chapters required for the course can be purchased individually, which substantially reduces the overall cost to students. All details will be provided in forthcoming syllabus.

Content Delivery:

CEE 704/804 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 704 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.

6-8 homework assignments submitted electronically via Canvas

3-4 quizzes, most likely administered online

1 final exam, 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.