

Fall 2020 CEE 680: Classical Structural Analysis

<https://courses.unh.edu/class/202010/14168>

Description: Analytical stress and deflection analysis of determinate and indeterminate structures under static and moving loads by classical methods. Integration of structural analysis computer software into the design/analysis process.

Schedule: MWF 910-1000AM

Room: DeMeritt Hall 112

Instructor: Robert M. Henry, Ph.D., P.E., Robert.henry@unh.edu

Text book, title author, and year: No required textbook for the course. Selected readings from a UNH on-line database and other supplemental materials Course Notes provided on CANVAS

Content Delivery:

The course delivery format will depend on the availability of a room to safely seat all the students enrolled in the course.

It appears that DeMeritt Hall 112 can accommodate the enrollment in CEE 680 and the course will be delivered in a face-to-face format requiring students to have appropriate PPE and 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.

As of November 23, 2020 (Monday) the class will be can be broadcast in a synchronous manner and recorded, but there will be no face-to-face component.

Students will have the opportunity to ask questions during class via ZOOM chats.

Asynchronous videos, YouTube videos and other asynchronous material will be made available in the CEE 680 Canvas pages.

For either delivery format, students will be expected to “attend” class and be prepared to ask questions and answer questions that I will be asking. The class will be run in an interactive format and students will be called upon in a random fashion to answer questions I put forth. I give unannounced quizzes in class and you must be present to receive credit for the quiz

Assessment:

All assignments will be posted in Canvas as well as links to the recordings of the synchronous broadcasts.

8-10 homework assignments that will be submitted electronically via Canvas

Periodic on-line and in-class quizzes, number is unknown but likely 6 to 8

2 mid-term examinations and 1 final examination

It has not been determined the delivery format

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.