

Fall 2020 CEE 993: Advanced Steel Design

<https://courses.unh.edu/class/202010/16886>

Description: Advanced design of structural steel elements according to the AISC Load and Resistance Factor Method as applied to advanced topics in steel design. Emphasis will be placed on theory involved in the development of the design code requirements. Course design project will expand on these topics and include experimental work as appropriate.

Schedule: MWF 1110 AM-1200 PM

Room: GREGG 110

Instructor: Erin S Bell, Ph.D., P.E., Erin.bell@unh.edu

Text book, title author, and year: AISC Steel Construction Manual, 15th Ed. Course notes will be provided on CANVAS

Content Delivery:

CEE 993 will be delivered in a face-to-face format requiring students to have appropriate PPE and distancing.

At the same time the class can be broadcast in a synchronous manner, (meaning it will be a live broadcast of what is happening in the classroom), by request. The synchronous broadcast will be recorded for later viewing.

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

Additional asynchronous videos and other asynchronous material will be made available in the CEE 993 Canvas pages.

No matter which delivery format is used, students will be expected to “attend” class and be prepared to ask questions, answer questions and contribution to course discussion.

Assessment:

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

6-8 homework assignments that will be submitted electronically via Canvas

1 mid-term examinations and 1 final project

Preference is for the mid-term to in-person but online options will be available.

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.