

Fall 2020 CEE 719 Green Building Design

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

Description: This course gives an overview of green designs and sustainable practices in building construction. We will cover technical topics and requirements of a nationally recognized rating system (LEED), with a specific focus on Green Building Design and Construction. Students are introduced to basic building designs and systems related to sustainability. Additionally, they learn about green design topics such as site plans, water and energy efficiency, material and resources usage, environmental quality and renewable energy source. As an outcome of the course, students are able to assess and incorporate green technologies and designs into building projects.

Schedule: MWF 1110 AM-1200 PM

Room: KING N121

Instructors: Ken Flesher, P.E., ken.flesher@unh.edu
Felix Devito, AIA, felix.devito@unh.edu

Text book, title author, and year: There is no required text for this class, however several recommended texts will be discussed at the beginning of the class. Selected readings from on-line sources and other supplemental materials/handouts will be used. All course notes, handouts, and PowerPoint files will be available via CANVAS.

Content Delivery:

CEE 719 will be delivered live to a classroom audience as well as a ZOOM 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.

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 719 Canvas pages.

Students will be expected to “attend” class and be prepared to ask questions and answer questions. The class is run in an interactive format.

Small Studio sessions will be delivered face-to-face or on-line via ZOOM synchronous meetings. Studio sessions will be scheduled during the first week of class.

Assessment:

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

5-6 homework assignments that will be submitted electronically via Canvas. One Studio Design project, with multiple draft submittals over the semester.

Periodic on-line and in-class quizzes, number is unknown but likely 4-6. Attendance is logged and will be used in final grade determination.

One mid-term examination and one final examination. Exams will be administered on-line, students will be REQUIRED to have a webcam on during the exam.

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.