

Fall 2020 CEE 404: Surveying and Mapping

<https://courses.unh.edu/class/202010/16455>

Description: Principles of land measurements by ground, photogrammetric and satellite methods to model the environment. Application of theory of measurements to perform and adjust engineering survey. Conformal mapping and its application to state plane coordinates. Digital mapping and Geographic Information Systems. Construction and cadastral surveying.

Schedule: TR 810-940

Room: HS 201

Instructor: Scott Boudreau, Scott.boudreau@unh.edu

Text book, title author, and year: Elementary Surveying An Introduction to Geomatics, Charles D. Ghilani, 15th edition (2018). Course notes provided on CANVAS

Content Delivery: Content provided through lecture and homework assignments

Laboratories: Field/Office exercises using different types of surveying gear and software to collect measurement data and then process the data for error, accuracy and precision.

Assessment: 50% lecture; 50% lab

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.