C E 495: Geospatial Analysis for Engr & Vis Apps

Working knowledge, application development, and operation issues related to geographical information system (GIS) tools using modern remote sensing raster imagery and vector mapping data; geospatial workflow implementation for engineering and visualization applications; geographic and non-geographic data processing to create spatial maps, inventory and attribute database, and data visualization; import and export of engineering graphics data; development of GIS based decision support systems.

3 Credits

Prerequisites

- Senior standing required.

Instruction Type(s)

- Lecture: Lecture for C E 495

Subject Areas

- Civil Engineering, General
- Transportation and Highway Engineering

Related Areas

- Civil Engineering, General
- Geotechnical and Geoenvironmental Engineering
- Structural Engineering
- Transportation and Highway Engineering
- Water Resources Engineering