C E 495: Geospatial Analysis for Engr & Vis Apps

**Civil Engineering**

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

**Course Fee(s)**

Civil Engineering 4
- $150.00

**Subject Areas**
- Civil Engineering, General
- Transportation and Highway Engineering

**Related Areas**
- Geotechnical and Geoenvironmental Engineering
- Structural Engineering
- Water Resources Engineering