

# 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 useing 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, Other
- Geotechnical and Geoenvironmental Engineering
- Structural Engineering
- Water Resources Engineering