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

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