

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

- <u>Civil Engineering, General</u>
- Transportation and Highway Engineering

Related Areas

- <u>Civil Engineering, Other</u>
- Geotechnical and Geoenvironmental Engineering
- <u>Structural Engineering</u>
- Water Resources Engineering

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