

**Announcing Professional Training Courses in  
Geographic Information Systems (GIS)**

Memorandum For: Students, Graduates, Supporters, and Stakeholders of the University of South Florida's School of Public Affairs

As Geographic Information Systems (GIS) becomes increasingly vital to professionals and practitioners in urban/regional planning and public administration, the University of South Florida's School of Public Affairs is pleased to announce a series of professional development workshops in this critical area. These graduate-level courses will be offered at USF's Tampa Campus, in order to ensure access to our computer laboratory's most up-to-date software products, such as ArcGIS.

**GIS for Professional Planners.** Offered as a 2-day or 4-night session, this workshop is for experienced, intermediate-level GIS users and will concentrate on cartography and analysis for municipal applications. Topics will include parcel mapping and symbology, project management and site mapping, census data mapping and statistical classification, FEMA flood zones, storm surge zones, proximity analysis and buffers, network and service area analysis, thematic mapping, selection methods and techniques, table and spatial joining methods, attribute design and field calculations, feature attachments, annotation methods, and georeferencing municipal and historical maps.

**LiDAR and Drone Data: Application and Analysis.** Offered as a 2-day or 4-night session, this workshop is for experienced, advanced-level GIS users who must be able to visualize, extract, process and analyze LiDAR and drone-based datasets, which are the highest resolution spatial products accessible to planning and development professionals. Topics will include visualization in ArcGIS, LiDAR profiles and classification, the preparation of digital elevation models, digital height-above-ground-level models, digital 'Hillshade' models, symbology and statistical stretching for accurate cartographic displays, cartographic methods for LiDAR generated products, terrestrial LiDAR data visualization on multiple platforms, drone photography processing, ultra Hi-Resolution aerial ortho photos, and the generation and display of 3D 'mesh' models.

For more information, please refer to our website (at <https://www.usf.edu/arts-sciences/departments/public-affairs/>) or contact our Research Associate Professor Mr. Steven Fernandez at [sfernandez@usf.edu](mailto:sfernandez@usf.edu).



---

**Dr. Ronald Sanders, DPA**  
Director and Clinical Professor  
School of Public Affairs  
University of South Florida  
Email: [rpsanders@usf.edu](mailto:rpsanders@usf.edu)