

National Geospatial Center of Excellence

Fort Worth, Texas



2020 Geosciences Training Schedule

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Configuring Web Apps Using Web AppBuilder for ArcGIS (Esri) Table of Contents	1 Day	April 3, 2020 (Online)
<p>Overview: Learn how to create intuitive, focused web apps that are accessible on desktop and mobile devices—without writing any code. This course shows how to take advantage of existing web maps, themes, and widgets to build apps that feature your organization’s branding and deliver the functionality your users require. Course attendees receive a free e-book copy of <i>Getting to Know Web GIS</i>, third edition.</p> <p>Who Should Attend: GIS professionals, managers, and others who are familiar with creating and sharing maps using ArcGIS Online</p>		
<p>Learn How To</p> <ul style="list-style-type: none"> • Plan a web app design based on the audience and required functionality. • Configure themes and widgets to meet web app requirements. • Evaluate a web app design and functionality on virtual devices. • Publish a web app. 		
Creating Story Maps with ArcGIS (Esri) Table of Contents	1 Day	March 31, 2020 (Online) April 15, 2020 (Online) August 3, 2020 (Online)
<p>Overview: Thanks to their engaging user experience, story maps have achieved mass appeal as a vehicle to inform the public, engage stakeholders, and inspire an audience. This course teaches the concepts, best practices, and decisions that need to be made when creating and sharing a story map.</p> <p>Who Should Attend: Anyone that wants to tell stories with maps</p>		
<p>Learn How To</p> <ul style="list-style-type: none"> • Choose an appropriate story map app for your purpose and audience. • Add web maps, images, multimedia, and text to create an engaging story map. • Apply best practices to share and promote your story maps. 		
LiDAR with LP360 (GeoCue)	3 Days	April 21-23, 2020 (Fort Worth, Texas) June 16-18, 2020 (Fort Worth, Texas) September 1-3, 2020 (Fort Worth, Texas)
<p>Overview: LiDAR training using GeoCue LP360 software with course customization for natural resources applications and environmental analysis. Elevation data derived from LiDAR is proving to be a very useful data resource saving state staff time and allowing them to do more and to do it safely by reducing multiple trips to field sites. It has a good return on investment. Taking this course can provide a good foundation of understanding for NRCS staff to use LiDAR elevation data to visualize, analyze and plan. As more datasets are acquired across the nation, states will want to have staff trained to use the data and work out the unique and common applications in their areas.</p> <p>Who Should Attend: GIS analysts, specialists, and others who process and manage elevation data</p>		
Migrating from ArcMap to ArcGIS Pro (Esri) Table of Contents	2 Days	March 3-4, 2020 (Fort Worth, Texas) April 27-28, 2020 (Online)
<p>Overview: This course introduces essential ArcGIS Pro terminology and prepares you to be productive right away. You will learn how to efficiently complete a variety of tasks related to mapping, editing, analyzing, and sharing data, maps, and other geospatial resources.</p> <p>Who Should Attend: Experienced ArcMap users</p>		
<p>Learn How To</p> <ul style="list-style-type: none"> • Create an ArcGIS Pro project and import map documents and 3D scenes. • Create and modify map layouts and symbology. • Edit feature geometry and attributes. • Share geospatial resources to your organization’s ArcGIS portal. 		

Sharing GIS Content Using ArcGIS (Esri) Table of Contents	2 Days	January 23-24, 2020 (Online) April 7-8, 2020 (Fort Worth, Texas)
<p>Overview: Learn how to efficiently share a variety of geospatial resources to an ArcGIS Online organizational site or ArcGIS Enterprise portal website. This course teaches how to publish high-performing services that extend ArcGIS mapping and analytics capabilities across your organization. Course attendees receive a free e-book copy of <i>Getting to Know Web GIS</i>, third edition.</p>		
<p>Who Should Attend:</p> <ul style="list-style-type: none"> • GIS professionals who need to share maps, layers, and other GIS content to an ArcGIS Online organizational site or on-premises portal website • Developers who want to incorporate ArcGIS services into custom apps • Administrators who need to understand the process for publishing ArcGIS services 		
	<p>Learn How To</p> <ul style="list-style-type: none"> • Share content between ArcGIS portals. • Devise a sharing strategy that supports your organization’s workflows and business goals. • Share map layers, web maps, data, imagery, custom analysis tools, and ArcGIS Pro project packages. • Create map and vector tile caches to enable fast display performance. 	
Spatial Analysis Using ArcGIS Pro (Esri) Table of Contents	3 Days	August 18-20, 2020 (Fort Worth, Texas)
<p>Overview: Learn essential concepts and a standard workflow you can apply to any spatial analysis project. You will work with a variety of ArcGIS tools to explore, analyze, and produce reliable information from data. Course exercises use an Advanced license of ArcGIS Pro and ArcGIS 3D Analyst, ArcGIS Spatial Analyst, and ArcGIS Geostatistical Analyst.</p>		
<p>Who Should Attend: GIS analysts, specialists, and others who manage or conduct spatial analysis projects</p>		
	<p>Learn How To</p> <ul style="list-style-type: none"> • Prepare data and choose appropriate tools and settings for analysis. • Examine features and distribution patterns within an area of interest and identify optimal locations using 2D and 3D analysis tools. • Quantify spatial patterns using spatial statistics and analyze change over time to identify emerging hot spots. • Use interpolation and regression analysis to explain why patterns occur and predict how patterns will change. • Automate an analysis workflow using a geoprocessing model. • Share analysis results to your ArcGIS Online organizational site or on-premises portal website. 	
Working with LiDAR in ArcGIS (Esri) Table of Contents	1 Day	February 4, 2020 (Online) April 14, 2020 (Online) July 9, 2020 (Online)
<p>Overview: This course introduces light detection and ranging (lidar) data concepts, collection methods, quality-control considerations, and common applications. Techniques to manage, edit, visualize, and share lidar-derived 2D and 3D information products using ArcGIS Pro are covered.</p>		
<p>Who Should Attend: GIS managers, data managers, analysts, specialists, and others who need to manage, create, analyze, and disseminate lidar data and lidar-derived information products</p>		
	<p>Learn How To</p> <ul style="list-style-type: none"> • Validate the quality and accuracy of lidar data. • Edit lidar data to correct errors. • Organize, process, visualize, and share lidar data using ArcGIS LAS datasets, mosaic datasets, and point cloud scene layers. • Derive useful information products from lidar data, including raster surfaces, building footprints, vegetation density estimates, and volumetric calculations. 	

Story Map Schedule: <https://storymaps.arcgis.com/stories/93aab00ef8a54b2c87048f1567b8da9b>

For more information please contact:

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