

Introduction to ArcGIS Pro for Petroleum

Course Length: 2 days

ArcGIS Version: Pro 3.x

App: ArcGIS Pro

Overview

Whether you are migrating from ArcMap or brand-new to ArcGIS, this course is your starting point.

This class gets participants comfortable using ArcGIS Pro. The course starts by explaining the ArcGIS Pro interface and project structure and then walks you through the process of creating projects and maps, including importing .mxd files from ArcMap. It teaches how to optimize the display of the data by setting colors and symbols using the ArcGIS Pro Symbology pane, adding labels and text to the map, and covers the details of creating layouts in the ArcGIS Pro Layout view. The course also introduces participants to spatial analysis in ArcGIS Pro and discusses what has changed as compared to ArcMap. At the completion of this course, those attending should have a strong foundation in ArcGIS Pro.

Audience

Anyone who wants to create maps and explore data in ArcGIS Pro, whether this is their first GIS software or they are long-term ArcMap users.

Topics Covered

Day 1

- Overview of GIS – An introduction to GIS and spatial problem-solving concepts and an overview of the ArcGIS platform.
- ArcGIS Pro Basics – Getting familiar with the ArcGIS Pro interface, including starting a new project, navigating a map, and working with the ribbons, panes, and views.
- Working with Layers – Understanding the Feature Layer, setting layer appearance properties, and getting access to the data behind the maps.
- Using Symbology to Analyze Data – Setting symbology and display properties to make a better, more manageable map and to begin analyzing the data.
- Asking Questions of Your Data – Selecting features on the map by running queries on the data tables and looking at spatial relationships of the features.

Day 2

- Understanding GIS Data – Getting familiar with GIS data formats, including the file geodatabase and the shape file, and using the Catalog pane to manage and make connections to GIS data sources.

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- Connecting to a Portal – Accessing data in the cloud or an on-premise portal, bringing web maps and layers into your ArcGIS Pro project.
 - Designing Your Map for Presentation – Designing map layouts to present and share your work as hardcopy or digital maps.
 - Geoprocessing – Using various geoprocessing tools in ArcGIS to manipulate and manage your GIS data and perform spatial analysis.

Format

In-person or live virtual instruction with hands-on practice and course materials you can keep. It is also available as a self-directed course to take on your schedule

Prerequisites and Recommendations

Attendees should be comfortable working on a computer and navigating the folder structure in Microsoft Windows®.