

Training the GIS Professional

Creating Maps with ArcGIS

- 2 days

Overview

Design and share beautiful map products.

Learn fundamental cartographic design principles and a standard workflow to produce print and online maps tailored to their purpose, medium, and intended audience. This course teaches ArcGIS Pro techniques to create and share a variety of professional-quality information products including print maps, web maps, and charts.

Please note: This course is based on Esri Inc's Creating Maps and Visualizations with ArcGIS. Please do not attend if you have attended this course previously.

Who should attend

- GIS Users
- Map Designers
- GIS Analysts

Goals

- Prepare data for a mapping project.
- Design map elements that are appropriate for your data, audience, map purpose, and delivery medium.
- Apply 2D cartographic best practices to create and share print maps and web maps.
- Evaluate when and why to create different types of charts using table data.

Prerequisites

Completion of Introduction to ArcGIS Pro for GIS Newcomers or Introduction to ArcGIS Pro for GIS Professionals or equivalent working knowledge.

Contact Us

For GIS training enquiries and bookings visit esriuk.com/learning, email us at learning@esriuk.com or call us on 01296 745504

Topics Covered

- Introduction to designing maps. Why create maps? Audience and purpose, ArcGIS information products, Design considerations, Cartographic workflow: Planning.
- Data for Information Products. Cartographic workflow: Data, Evaluating spatial data, Levels of measurement. Accuracy and precision, Sources of error, Scale and resolution, Coordinate systems. Generalisation techniques.
- Symbolising Data, Cartographic workflow: Symbology, Components of colour, Visual variables, Choosing visual variables, Designing symbols, Symbolising by attribute, Visualising data ranges, Colour schemes, Figure-ground organisation. Reference and thematic maps.
- Working with map text, Cartographic workflow: Symbology – Text, Types of map text, Text placement, Using text to create visual hierarchy, Visual variables for text symbols, Type basics for cartography.
- Print map layouts, Cartographic workflow: Layout and output, Creating a pattern of reading, Map elements, Map description, Map scale, Map orientation, Visual balance and hierarchy in print maps.
- Design considerations for Web Maps, Web maps versus print maps, Audience and purpose, Devices and software, Cartography and user experience, Predominance web maps.
- Publishing web maps for multiple devices, Projections in web maps, Map scales and symbol sizes, Tile layers. Web map symbology, Configuring pop-ups.
- Visualising data using charts, When to use charts, maps, or both, Why use charts?, Using charts in information products, Visualise data using charts, Types of charts.