



Jayne can see the importance of her knowledge transfer, it helps train her client in the unique elements of their location intelligence solution

Desktop II: Tools and Functionality

ESRI Australia's Training Solutions -

supporting your location intelligence needs through flexible and valuable training options.

Why is it important?

ArcGIS® Desktop software is an integrated system that includes all the tools needed to get the most out of a GIS. This course teaches the range of functionality available in the software and the essential tools for visualising, creating, managing, and analysing geographic data. The hands-on course exercises emphasise practice with ArcMap™ and ArcCatalog™ (the primary applications included with ArcGIS Desktop software) to perform common GIS tasks and workflows. The tools for creating and managing geographic data, displaying data on maps in different ways, and combining and analysing data to discover patterns and relationships are highlighted, and you learn how ArcGIS Desktop provides a complete GIS software solution. By the end of the course, you will be prepared to start working with the software on your own.

Designed for

This course is designed for those with an education in or workplace experience with GIS but no ArcGIS software experience. This course assumes knowledge of basic GIS concepts. This course was formally titled Introduction to ArcGIS I.

Course Level: Beginner

Learning Outcomes

- // List common GIS tasks and identify which ArcGIS Desktop application is used
- // Understand what the geodatabase offers for GIS data storage
- // Create and edit geodatabase features
- // Control the appearance and display of data layers in ArcMap
- // Classify and symbolise map data
- // Label map features
- // Change the coordinate system and map projection used to display a dataset
- // Access feature information in tables and control table display properties
- // Query and analyse GIS data
- // Build a simple model to automate a GIS analysis workflow
- // Create presentation-quality maps and graphs

Prerequisites

Students should have completed Desktop I: Getting Started with GIS or have equivalent knowledge.

Recommended Reading

The ESRI Guide to GIS Analysis, Volume 1: Geographic Patterns and Relationships. *Andy Mitchell*

A to Z GIS. *Tasha Wade and Shelly Sommer*

Certain recommended books can be purchased online, by visiting the ESRI Australia online store at www.esriaustralia.com.au/onlinestore

Course Details

Duration	3 days
Commencement Dates	For the latest course calendar please visit www.esriaustralia.com.au/training
Terms & Conditions	For the latest ESRI Australia training terms & conditions please visit www.esriaustralia.com.au/training

Course Content

Investigating geographic data:

- // How geographic data is stored
- // Vector and raster data types
- // Introducing ArcCatalog and ArcMap

Managing map layers:

- // Display windows
- // Group layers and selection layers
- // Creating hyperlinks

Symbolising categorical data:

- // Creating types of symbols

Symbolising quantitative data:

- // Classification methods
- // Excluding data from classification
- // Rendering raster data

Labelling map features:

- // Controlling label placement
- // Label classes
- // Geodatabase and map annotation

Understanding spatial reference:

- // What is a coordinate system
- // Geographic transformations
- // Projecting data

Making a map layout:

- // Map elements and templates
- // Exporting maps

Managing tables:

- // Feature attribute tables
- // Integrating nonspatial tables
- // Using joins and relates

Editing features and attributes:

- // Common editing tools
- // Working with a map topology

Working with geodatabases:

- // Types of geodatabases
- // Working with metadata
- // Populating feature classes

Getting locations from attributes:

- // Adding x,y coordinate data
- // Finding places and addresses
- // Finding routes and nearby places
- // Geocoding workflow

Solving spatial problems:

- // Typical analysis workflow
- // Overview of geoprocessing

Customising ArcGIS Desktop:

- // Why customise the interface?
- // Saving customisations

Desktop II: Tools and Functionality

About ESRI Australia

ESRI Australia is the source of astute professional services and Geographic Information Systems (GIS) technology. We're experts in location intelligence, with over 30 years experience in implementing GIS solutions in dozens of industries.

Our passion for technology and considered approach gives our clients the power to see more and do more. With our expertise, knowledge, vision and technical capability, we turn 'possibility' into 'reality'.

ESRI Australia Training Solutions

Derive maximum benefit from your location intelligence solution by ensuring your workforce has the knowledge and skills to fully utilise your investment in GIS.

ESRI Australia offers a complete range of training services to help educate and support your solution end users and administrators. With courses for beginners,

intermediate and advanced users, ESRI Australia caters for all skill sets and educational requirements.

Our courses are taught by ESRI Inc. authorised instructors, which means that your employees can be assured of receiving consistent quality GIS training by accredited trainers.

Our flexible training options range from developing and delivering a complete training program for your organisation through to a range of scheduled courses held at centrally located training facilities.

With client site, scheduled or knowledge transfer training available, ESRI Australia can provide the solution to meet your organisation's training needs.

For course descriptions, or further information about ESRI Australia's flexible training solutions please visit www.esriaustralia.com.au/training

Freecall Australia only 1800 447 111 // International calls +61 (0)7 3218 4161
Fax +61 (0)7 3211 1310 // training@esriaustralia.com.au

