



Ian can see that flexible training options are the answer for his client, it helps minimise the disruption to the Client Service Centre

Advantages of the Geodatabase

ESRI Australia's Training Solutions

supporting your location intelligence needs through flexible and valuable training options

Why is it important

Data comes in many formats, from Computer-Aided Design (CAD) files, ArcView Shape Files and other third party data formats.

This course teaches fundamentals creating and managing a Geodatabase. Students will learn methods for adding data, creating look-up tables, and creating views and topology in the Geodatabase. The course also covers the different Geodatabase types and the advantages of each type.

Designed for

This course is designed for experienced ArcGIS users, who have basic ArcGIS skills, and who wish to refresh or up-skill their knowledge.

Course Level: Intermediate

Learning Outcomes

- // Understand the advantages of the geodatabase
- // Build Geodatabases and load data
- // Create and apply attribute domains, subtypes and relationship classes
- // Create and edit geodatabase annotation

Prerequisites

Students should have completed *Desktop II: Tools & Functionality*, or have equivalent knowledge.

Recommended Reading

Designing Geodatabases: Case Studies in GIS Data Modeling. *Dr. David K. Arctur and Michael Zeiler*

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

Course Details

Duration	1 day
Commencement Dates	For the latest course calendar please visit www.esriaustralia.com.au/training
Terms & Conditions	Please see our website for the latest terms and conditions

Course Content

Introduction to geodatabase

- // Advantages of the geodatabase
- // Focusing on the file geodatabase
- // Elements within the geodatabase
- // Geodatabase tables in a database management system (DBMS)

Attribute validation rules

- // Subtypes and domains
- // Creating subtypes and domains
- // Editing subtypes in ArcMap™
- // Editing with domains in ArcMap
- // Coded value vs. range domains
- // Subtypes and relationship rules

Relationship classes

- // Creating relationship classes
- // Setting relationship class properties
- // Using relationships in ArcMap
- // Relationship rules and validation
- // executing tools from the command line
- // Simple vs. composite relationships

Annotation

- // Creating, editing, and managing annotation features in the geodatabase

Geodatabase topology

- // Topology management in the geodatabase
- // Building a topology
- // Setting the properties of a topology
- // Setting appropriate topological rules
- // Fixing topological errors
- // Editing topological data

Advantages of the Geodatabase

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 our 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 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 a client site, scheduled or knowledge transfer training available, ESRI Australia can provide the solution to meet your organisations training needs.