Intro to ArcGIS I: Mapping with GIS
Outline (7th edition)

Day 1: Understanding and assembling GIS data sets

Lesson 1A: Viewing maps and data
• Connecting to data folders
• Adding data to ArcMap
• Viewing the map
• Viewing attribute tables
Exercise 1

Lesson 1B: Layers and data frames
• Using map symbols
• Layers and layer files
• Working with data frames
Exercise 1B

Lesson 1C: Map projections
• Setting the data frame CS
• Using ArcGIS Online data
• Projection properties
• Understanding map distortion
Exercise 1C

Lesson 2A: Assembling GIS data
• Using ArcCatalog
• Creating and organizing data
• Exporting and projecting data
Exercise 2A

Lesson 2B: Assembling data in ArcMap
• Using the Catalog window
• Using ArcToolbox
• Exporting and projecting data
Exercise 2B

Lesson 2C: Using Other Data Sources
• ArcGIS Online
• NAIP 1-m imagery
• ESRI Data and Maps
Exercise 2C

Day 1 Practice Project

Day 2: Visualizing and analyzing data

Lesson 4A: Symbols and Labels
• Exploring symbols
• Labeling features
Exercise 4A

Lesson 4B: Maps based on Attributes
• Data types and map types
• Creating maps from attributes
• Classifying numeric data
Exercise 4B

Lesson 6A: Working with Tables
• Viewing tables
• Using queries and statistics
• Summarizing tables
• Joining tables
Exercise 6A

Lesson 6B: Manipulating Table Values
• Editing tables
• Calculating table values
• Using Excel tables
• Mapping x-y locations in tables
Exercise 6B

Day 2 Practice Project

Day 3: Presenting your results

Lesson 7: Queries
• Using interactive selection
• Selecting by Attributes
• Selecting by Location
Exercise 7

Lesson 5A: Setting up a layout
• Setting up the map page
• Creating a location map
• Using graphic text
• Dynamic labels and annotation
Exercise 5A

Lesson 5B: Finishing the layout
• Adding a legend and north arrow
• Placing scale bars
• Finalizing the layout
Exercise 5B

Day 3 Practice Project