ArcGIS Desktop 10 Workbook Training

Getting to Know ArcGIS Desktop	8 to 14 Hrs
Chapter 1: Introducing GIS	0.15
Chapter 2: Introducing ArcGIS Desktop	0.15
Chapter 3: Exploring ArcMap	1.00
Chapter 4: Exploring ArcCatalog	1.00
Chapter 5: Symbolizing features and rasters	1.00
Chapter 6: Classifying features and rasters	1.00
Chapter 7: Labeling features	0.50
Chapter 8: Querying data	0.75
Chapter 9: Joining and relating tables	0.75
Chapter 10: Selecting features by location	0.50
Chapter 11: Preparing data for analysis	0.75
Chapter 12: Analyzing spatial data	0.50
Chapter 13: Projecting data in ArcMap	1.00
Chapter 14: Building geodatabases	0.50
Chapter 15: Creating features	0.50
Chapter 16: Editing features and attributes	0.75
Chapter 17: Geocoding addresses	0.75
Chapter 18: Making maps from templates	0.50
Chapter 19: Making maps for presentation	0.75
Chapter 20: Creating models	1.00

Getting to Know ArcGIS ModelBuilder	10 Hrs
Chapter 1: Introducing model building	
Chapter 2: Setting up interactive models	
Chapter 3: Establishing flow of control	
Chapter 4: Working within the modeling environment	
Chapter 5: Using multiple inputs	
Chapter 6: Using model iterations	
Chapter 7: Building model documentation	

GIS Tutorial 1: Basic Workbook	40 Hrs
Chapter 1: Introduction	2
Chapter 2: Map design	3
Chapter 3: GIS outputs	5
Chapter 4: File geodatabases	3
Chapter 5: Spatial data	5
Chapter 6: Digitizing	3
Chapter 7: Geocoding	
Chapter 8: Geoprocessing	
Chapter 9: Spatial analysis	
Chapter 10: ArcGIS 3D Analyst	
Chapter 11: ArcGIS Spatial Analyst	

GIS Tutorial 2: Spatial Analysis Workbook	42 Hrs
Chapter 1: Mapping where things are	3
Chapter 2: Mapping the most and least	4
Chapter 3: Mapping density	3
Chapter 4: Finding what's inside	3
Chapter 5: Finding what's nearby	12
Chapter 6: Mapping change	5
Chapter 7: Measuring geographic distribution	5
Chapter 8: Analyzing patterns	5
Chapter 9: Identifying clusters	2

GIS Tutorial 3: Advanced Workbook	37 Hrs
Chapter 1: Designing the geodatabase schema	3
Chapter 2: Creating a geodatabase	3
Chapter 3: Populating a geodatabase	3
Chapter 4: Working with features	8
Chapter 5: Working with topology	6
Chapter 6: Customizing the interface	2
Chapter 7: Automating processes	4
Chapter 8: Developing labels and annotation	4
Chapter 9: Exploring cartographic techniques	4

ArcGIS Desktop 10 Workbook Training Continued

GIS Tutorial for Crime Analysis	40 Hrs
Chapter 1: Introduction to crime mapping and analysis	
Chapter 2: Exploring ArcGIS Desktop	
Chapter 3: Using crime maps	
Chapter 4: Designing and building crime maps	
Chapter 5: Querying crime maps	
Chapter 6: Building crime map animations	
Chapter 7: Conducting hot spot analysis	
Chapter 8: Assembling jurisdiction maps	
Chapter 9: Preparing incident data for mapping	
Chapter 10: Automating crime maps	

GIS Tutorial for Health	40 Hrs
Chapter 1: Introducing GIS and health applications	
Chapter 2: Visualizing health data	
Chapter 3: Designing maps for a health study	
Chapter 4: Projecting and using spatial data	
Chapter 5: Downloading and preparing spatial data	
Chapter 6: Geocoding tabular data	
Chapter 7: Preparing and analyzing spatial data	
Chapter 8: Transforming data using approximate methods	
Chapter 9: Using Spatial Analyst for demand estimation	
Chapter 10: Studying food-borne disease outbreaks	
Chapter 11: Forming a national ACHE chapter	

Understanding GIS: An ArcGIS Project Workbook	Hrs
Lesson 1: Frame the problem and explore the study area	
Lesson 2: Preview data	
Lesson 3: Choose the data	
Lesson 4: Build the database	
Lesson 5: Edit data	
Lesson 6: Conduct the analysis	
Lesson 7: Automate the analysis	
Lesson 8: Present analysis results	
Lesson 9: Share results online	

Making Spatial Decisions Using GIS	Hrs
Chapter 1: Hazardous emergency decisions	
Chapter 2: Demographic decisions	
Chapter 3: Law enforcement decisions	
Chapter 4: Hurricane damage decisions	
Chapter 5: Urpan planning decisions	

Map Use: Reading Analysis Interpretation	Hrs
Chapter 1: The earth and earth coordinates	
Chapter 2: Map scale	
Chapter 3: Map projections	
Chapter 4: Grid coordinate systems	
Chapter 5: Land partitioning	
Chapter 6: Relief portrayal	
Chapter 7: Qualitative thematic maps	
Chapter 8: Quantitative thematic maps	
Chapter 9: Image maps	
Chapter 10: Map accuracy and uncertainty	
Chapter 11: Distance finding	
Chapter 12: Direction finding and compasses	
Chapter 13: Position finding and navigation	
Chapter 14: GPS and maps	
Chapter 15: Area and volume measures	
Chapter 16: Surface analysis	
Chapter 17: Spatial pattern analysis	
Chapter 18: Spatial association analysis	
Chapter 19: Interpreting the lithosphere	
Chapter 20: Interpreting the atmosphere and biosphere	
Chapter 21: Position finding and navigation	
Chapter 22: GPS and maps	