HOW TO...
HELP Guides and Tutorials

ARCGIS

BASICS

Version 10
Instruction Videos (16) – a selection of short “how to...” procedures (UT Mississauga)

Using ArcGIS 10 - Introduction Guide (UT Mississauga)
Creating Maps in ArcGIS 10 (Waterloo)
Using ArcGIS 10 - Intermediate Guide (UT Mississauga)

Short Modules for the basics:
Moving Around in ArcMap - ArcGIS 10 (Guelph)
Selecting Geospatial Data - ArcGIS 10 (Guelph)
ArcCatalog - Arc10 (Brock)
Accessing data from WMS in ArcGIS 10 (Brock)
Working with Tables in ArcGIS 10 (Guelph)
Defining Projections - ArcGIS 10 (Guelph)

Creating a Map Layout - ArcGIS 10 (Guelph)
Creating Map Packages – Arc10 (Brock)
Saving to older .mxd files - ArcGIS 10 (Guelph)
Creating New Layers (shapefiles) - ArcGIS 10 (Guelph)
Calculating Geometry (area, length, centroids) - ArcGIS 10 (Guelph)

CLIPPING
Clipping Geospatial Data - ArcGIS 10 (Guelph)
Clipping Raster Data – ArcGIS 10 (Brock)
Clipping a Single Layer in ArcMap (Brock)
Clipping layers to a Data Frame view – ArcGIS 10 (Brock)
How to Clip Multiple Layers in ArcMap 9.x (York)
Clipping DEM Data (Brock)

CENSUS DATA
Mapping Census Data using ArcGIS 10 (Waterloo)
Intro to Statistical Mapping (Brock)
Mapping Census Data (Waterloo)
ArcMap & Census Data (2006) (Toronto)
ArcMap & Census Data (2001) (Toronto)
Working with Census Data in ArcMap 9.x (Queens)

How to join Census geography files with Census attribute data (Queens)
Guide to locating and downloading census 2006 boundary files (Queens)
Downloading data from ESTAT (Carleton)
Joining ESTAT data to ArcMap Shapefiles (Carleton)
Census Mapping using Equinox (Trent)

GEOCODING
Geocoding - Arc10 (Brock)
Geocoding by Postal Code in ArcMap 9.0 (Ryerson)
Mapping Survey Results (geocoding in ArcGIS) (Waterloo)
Geocoding by Street Address and Postal Code (Waterloo)

GEOREFERENCING
IMPORTING into ARC
Importing ArcInfo Interchange files (.e00) to ArcInfo Coverages (Brock)

Some data sets are delivered in ArcInfo Interchange file format (*.e00). In order to use these files with ArcGIS (ArcView) they must be imported to ArcInfo coverages, at which point they can be exported to shapefile format (native to ArcView).

Convert .e00 format files (Queens)

RASTER DATA
Converting DEM Data to Raster (Brock)
Opening Digital Elevation Data in ArcMap 9.x (Ryerson)
Working with DEM-DTM in ArcMap (Waterloo)
Merging GRID Files (Brock)

Creating Contours using ArcGIS/ArcMap (Toronto)
Generating Contours from a Digital Terrain Model (DTM) in ArcMap 9.0 (Ryerson)

Importing Canadian Digital Elevation Data (CDED) in ArcMap 9.x (Ryerson)

Using ETOPO2 grid data in ESRI software (Queens)
Defining Projection for Raster GRID data (Brock)

Working with OGDE DEM data in ArcMap 9x (Queens)
Opening and Merging Ontario Digital Elevation Model Files in ArcMap 9.0 (Ryerson)
Working with NRVIS (Ontario) DEM (Waterloo)
Working with Grand River Conservation Area digital elevation models (Waterloo)
Surface Analysis Using DEM Data (Guelph)

EXTENSIONS
3D Visualization – Arc10 (Brock)
Viewing DEM data in 3D using ArcScene (Brock)

DEM/3D in ArcGIS 8.3 (Toronto)
DEM/3D in ArcGIS 9.0 (Toronto)
3D Visualization of Contours and Orthophotos in ArcScene 9.0 (Ryerson)

OTHER ARCGIS
Using ModelBuilder to Create Feature Classes (Trent)
Batch processing in ArcGIS10 (Guelph)
Creating Points from x,y data in ArcMap (Brock)
Geospatial Data format conversion (Guelph)
Adding x,y Coordinates to a table in ArcMap (Brock)

Converting GIS Files in ArcGIS (Toronto)
Downloading Geospatial Data (Guelph)
Setting the Scale and Adjusting Paper Size in ArcMap 9.x (Ryerson)
Saving Older MXD files in ArcMap (Toronto)
Saving to older .mxd files (Guelph)

ARCINFO Workstation – ARC — Converting .ADF Files TO .E00 Files (Guelph)
Merging (Merge / mosaic) geospatial data - ArcGIS 10 (Guelph)
Creating Buffers (vector & raster) - ArcGIS 10 (Guelph)
Working With .TBL Files – LIO SNIF Packaged Data - ArcGIS 10 (Guelph)
GIS Analysis using ArcGIS (Waterloo)
ARCVIEW (3.X)
- Working with Files in ArcView (Ryerson)
- Clipping Multiple Files using BatchClip.avx (Brock)

OPEN SOURCE GIS SOFTWARE
- QGIS Guide (Waterloo)
- Creating Simple Maps in QuantumGIS (Waterloo)
- Creating Simple Maps in TatukGIS (Waterloo)
- Creating Contours using Global Mapper (Toronto)

GOOGLE MAP
- My Google Map - Basics (Brock)
- Adding GIS files to Google Maps (Toronto)

GOOGLE EARTH/PRO
- Comparison of Google Earth and Google Earth Pro (Waterloo)
- Intro to Google Earth (Brock) - adding custom features with text; and basic HTML code (to insert a photo image).
- Creating Customized Maps in Google Earth (Waterloo)
- Google Earth Level 1: Introduction (Waterloo)
- Google Earth Level 2: Creating KML files (Waterloo)

- My Google Earth (Brock) - Google Earth basics; transparency; timeline function; adding an image overlay.
- Creating a Superoverlay in Google Earth (Brock)
- Georeferencing historical maps in ArcGIS and Google Earth (Waterloo)
- Sketchup (Waterloo)

GE TOOLS
- GPS_Visualizer (Carleton)
- How to Use the Google Earth gps toolbar (Carleton)
- Using GPSVisualizer & Earth Point (Brock) - geocode addresses; Earthpoint is used to view in Google Earth.

- ESRI (SHP) to Google (KML) File Conversion (Brock)
- KML - conversion from Shapefile using ArcScript (Waterloo)
- Converting Shapefile to KML Application Review (Waterloo)

ACCESSING WEB RESOURCES
- Mapping with EStat (Brock)
- GeoSearch2006 (Brock)
- CanMatrix: Georeferenced (Brock)
- CanMatrix: PDF (Brock)
- Geological Survey of Canada (GSC) Maps on MIRAGE (Brock)

- Downloading Ontario Base Data (Brock)
- Downloading Ontario Road Network Data (Brock)
- Ontario Geological Survey (OGS) Maps (Brock)
- Online Mapping (includes tutorials for Google Earth, Scribble Maps, Mapme.com) (Waterloo)

OTHER SOFTWARE
- Converting GIS Files in FME (Toronto)
- Exporting Contours to Autocad using ArcGIS (Toronto)
- How to Convert a Shapefile (.shp) into a CAD Drawing (.dwg) Format (Ryerson)
- Creating a URL-Driven Webpage (Zoomify) (Brock)
- Beyond 20/20 : Statistical Data Browser Software (Waterloo)
- Importing images into WORD (Brock)

CITING DATA AND MAPS
- Cartographic Citations Guides / Références à des documents cartographiques (ACMLA)
RESOURCE GUIDES

Resources for Architecture, Landscape, and Design (Toronto)

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