

A Learning Syllabus for Advanced GIS Support

A syllabus for use by soil scientists and GIS Specialists to complete advanced learning necessary for support of the soil survey program. It is recommended that State Offices, MLRA Regional Offices, and MLRA Soil Survey Offices have access to people who have accomplished some or all of this learning.

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Reading:

None

Recommended Training:

Job Aids and OJT Modules

Soil Data Access	
Overview:	For information, use this link and look under "I Want Help With..." http://sdmdataaccess.nrcs.usda.gov/
Objectives:	
Goal:	
Instruction:	
Prerequisites:	

Tools

<i>Tabulate Area</i>		
	Overview:	For information, use this link. http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?TopicName=tabulate_area
	Objectives:	
	Goal:	
	Instruction:	
	Prerequisites:	

<i>Zonal Statistics</i>		
	Overview:	For information, use this link. http://webhelp.esri.com/arcgisdesktop/9.2/index.cfm?TopicName=zonal_statistics
	Objectives:	
	Goal:	
	Instruction:	
	Prerequisites:	

<i>Arc2Ax</i>		
	Overview:	For information, use this link. http://science.nature.nps.gov/nrgis/applications/gisapps/gis_tools/8x/arc2ax8.aspx
	Objectives:	
	Goal:	
	Instruction:	
	Prerequisites:	

Training

<i>Remote Sensing for Soil Survey Applications</i>		
	Overview:	Under development.
	Objectives:	
	Goal:	
	Instruction:	
	Prerequisites:	

ArcSDE Personal And Workgroup Geodatabases

Overview:	For information, use this link. <ul style="list-style-type: none">▪ Introduction to the Multi-user Geodatabase▪ Data Management in the Multi-user Geodatabase▪ Managing Editing Workflows in a Multi-user Geodatabase▪ Storing Raster Data in an ArcSDE Geodatabase (for ArcEditor and ArcInfo)▪ Introduction to ArcSDE▪ Understanding ArcSDE Table Relationships▪ Understanding the ArcSDE Spatial Index
Objectives:	
Goal:	
Instruction:	
Prerequisites:	

ArcSDE Enterprise

Overview:	For information, use this link. http://training.esri.com/gateway/index.cfm?fa=catalog.courseDetail&CourseID=50079547_9.X
Objectives:	
Goal:	
Instruction:	
Prerequisites:	

Model Builder

Overview:	For information, use this link. http://training.esri.com/acb2000/showdetl.cfm?DID=6&Product_ID=844
Objectives:	
Goal:	
Instruction:	
Prerequisites:	

SQL Query for Enterprise Configuration

Overview:	For information, use this link. http://training.esri.com/gateway/index.cfm?fa=catalog.courseDetail&CourseID=50105420_9.X
Objectives:	
Goal:	
Instruction:	
Prerequisites:	

GIS Electives & Specializations Recommended for Supporting Soil Survey as Needed

	Overview:	
	Objectives:	
	Goal:	
	Instruction:	
	Prerequisites:	<ul style="list-style-type: none"> ▪ Arc Hydro: GIS for Water Resources ▪ Hydrologic and Hydraulic Analyses Using ArcGIS ▪ Introduction to ArcGIS 9 Geostatistical Analyst ▪ Understanding Spatial Statistics in ArcGIS 9 ▪ Integrating SAS Software with ArcGIS ▪ Cartography with PLTS Map Production System-Atlas ▪ Introduction to Job Tracking for ArcGIS (JTX) ▪ Introduction to Map Production System-Atlas ▪ Cartography with ArcGIS ▪ Cartographic Design Using ArcGIS 9 ▪ Learning ArcGIS 9 3D Analyst ▪ Labeling in ArcMap: Tips and Tricks ▪ Creating and Editing Labels and Annotation ▪ Introduction to ArcGIS II