

A Learning Syllabus to Build Competencies for Advanced GIS Support

This is a syllabus for use by soil scientists and GIS specialists to complete advanced learning necessary for support of the soil survey program.

Reading:

None

Recommended Training:

Soils Applications

<i>Soil Data Access</i>	
Overview	For information, use this link and look under "I Want Help With..." http://sdmdataaccess.nrcs.usda.gov/

Soil Survey Geospatial Database Fundamentals

<i>Digital Soil Survey Data Management</i>	
Overview	For information, use this link. http://www.soils.usda.gov/education/training/descriptions.html#GIS

Soil Remote Sensing

Introduction to Digital Remote Sensing

Overview

For information, see Aglearn.

Remote Sensing for Soil Survey Applications

Overview

For information, use this link.
<http://www.soils.usda.gov/education/training/descriptions.html#GIS>

Soil Geospatial Analysis

Introduction to Digital Soil Mapping

Overview

For information, use this link.
<http://www.soils.usda.gov/education/training/descriptions.html#GIS>

Digital Soil Mapping with ArcSIE

Overview

For information, use this link.
<http://www.soils.usda.gov/education/training/descriptions.html#GIS>

3D Analysis, using lidar, other spatial analysis subject areas

Overview

ESRI maintains courses currently addressing these and related issues. The technology advances too rapidly to warrant listing existing courses. Use the links provided to locate information concerning the NRCS license for access to appropriate courses available via the ESRI Virtual Campus.
http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/nedc/training/gis/?&cid=nrcs143_024136
<http://training.esri.com/gateway/index.cfm?fa=aul.premiumCourses>

GIS Database Administration

Geodatabase management, geodatabase features, geodatabase topology, managing Lidar data, raster data, other GIS management related subject areas

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Custom Programming

Python, modeling, other programming related topics

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