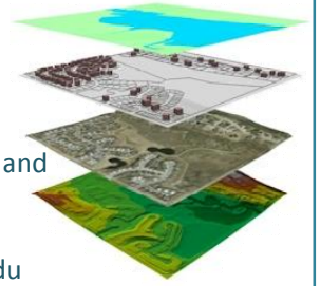




Developing Custom Geospatial Tools: An Introduction to Python Scripting

University of Connecticut
Center for Land use Education and Research
Middlesex County Extension Center
1066 Saybrook Road, Haddam, CT 06438

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This two-day course introduces ArcGIS users to the capabilities and uses of Python scripts. Scripts are relatively easy-to-use programming languages and can combine the full capabilities of ArcGIS with the functionality of a scripting language. As a result, scripts have far greater functionality than models but have the expense of being more difficult to develop. This course will explore the use of Python to automate GIS tasks. Python is provided free with ArcGIS and is the scripting language supported by ESRI. The goal of the course is to provide students with the foundation and the resources necessary to develop proficiency with automating geoprocessing tasks with Python scripts. Through a combination of brief classroom presentations and hands-on exercises, students will learn how to:

- Work with basic Python objects
- Create the geoprocessor to provide the script with access to ArcGIS functionality
- Run ArcToolbox tools within Python
- Use loops to run iterative tasks
- Set script parameters to be specified at runtime
- Import a script into ArcGIS and export a model as a Python script



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Note: This is not an introductory GIS course. Individuals registering for the course should be familiar with PCs and have some basic ArcGIS skills. No prior programming skills are necessary.

Mail your registration & payment to:
Geospatial Training Program
Middlesex County Extension Center
1066 Saybrook Road, PO Box 70
Haddam, CT 06438-0070

Cancellation Policy: Payment must be received with registration. A full refund will be issued if cancellation occurs more than 10 days prior to course. If you cancel within 10 days of the course and we are unable to fill your seat, we will not issue a refund.

To register for this course, please complete the following and mail with your payment or purchase order information to the address below. Make checks payable to the **University of Connecticut**. Sorry, we are unable to process credit cards at this time. We can only accept checks or purchase orders.

Class Date*: Check/PO#

Name:

Agency/Company:

Address:

City:

State: CT ZipCode

Phone:

Email:

Note:

Course Fee: \$200

Location: UConn Middlesex County Extension Center, 1066 Saybrook Road, Haddam, CT

Fill form out and print and send with your payment or purchase order to the address at the top of the page.

* For current class dates go to:
clear.uconn.edu/geospatial/training.htm

This course is offered through the Geospatial Training Program, Department of Extension, Center for Land Use Education and Research, College of Agriculture and Natural Resources, University of Connecticut. For more information, visit <http://clear.uconn.edu/geospatial>.