

# ArcGIS Python Scripting Workshop

August 8-10, 2017, Morgantown, WV

Python is a general-purpose high-level programming language, designed to be easily read. Python is used as the primary ArcGIS scripting language to perform geoprocessing and map production tasks. This course introduces the Python scripting syntax and shows how to use scripts to access and automate geoprocessing tasks. You will also work with ArcPy, an Esri-developed site package for Python that integrates Python scripts into ArcGIS Desktop.

**WHAT:** ArcGIS Python Scripting Workshop

**PREREQUISITE:** You must have prior ArcGIS experience. If you have never done any ArcGIS Python scripting, then **you need to take the ESRI online course** "Python for Everyone Using ArcGIS 10.x" before attending this workshop.

**WHEN & WHERE:** August 8-10 2017; WV GIS Technical Center, WVU Brooks Hall (4<sup>th</sup> Floor), 98 Beechurst Ave., Morgantown, WV 26506. Class Times: 8:30 a.m. – 4:30 p.m.

## Day 1 (Aug 8): Introduction to Python

- Basics of scripting/how to think like a computer.
- Introduce the idea of modules and the arcpy module in particular, including some of the most commonly used arcpy commands.
- Lab exercise(s) with the ArcGIS 10 Python Window.

## Day 2 (July 27): Geoprocessing in Python

- Creating your own toolbar, tool, and attaching a script to that tool. Lab exercise with ArcGIS 10 Python Window & IDLE.
- Writing a script to automate a multiple step process. Lab exercise(s).

## Day 3 (July 28): Map Automation in Python

- Working with layer(s), such as changing layer properties and symbology. Lab exercise(s).
- Automated map production, exporting and Map Books. Lab exercise(s).

**COST:** \$75 per day for WVAGP members, \$150 per day for non-members

**INSTRUCTOR:** Dr. Jamison Conley, WVU Assistant Professor of Geography

**WORKSHOP MATERIALS:** Materials will be provided at the training site



Dr. Conley

**REGISTER:** Register online at the WVAGP website: <http://www.wvagp.org>. You can register for one or all days. *Registration priority is given to WVAGP members and WV residents.*

**Registration Deadline Monday July 24 2017.**

West Virginia Association



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