

# GEOG 284 : GIS CUSTOMIZATION

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## Transcript title

GIS Customization

## Credits

4

## Grading mode

Standard letter grades

## Total contact hours

60

## Lecture hours

30

## Lab hours

30

## Course Description

Customize ArcGIS software with a current programming language.  
Publish content to the internet and servers.

## Course learning outcomes

1. Construct programs to accomplish a variety of geospatial tasks .
2. Explain the importance of structured programming concepts.
3. Produce documentation that effectively communicates ideas and implementations of programming.

## Content outline

• Introduction to Python programming • Geoprocessing in ArcGIS • Python language fundamentals • Geoprocessing with Python • Spatial data for programming • Python scripting for automated mapping • Debugging and handling errors • Creating custom tools • Python scripting for automating workflows • Python for ArcGIS Online

## Required materials

This course will require a textbook.