

GEOG 284 : GIS CUSTOMIZATION

Transcript title

GIS Customization

Credits

4

Grade mode

Standard letter grades

Contact hours total

60

Lecture hours

30

Lab hours

30

Description

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

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.

Grading methods

Grades may be determined using quizzes, class exercises, labs, and exams.