

## Advanced Methods MSc/MA Scripting for GIS Analysis

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**Applicability:** MV-MSc, MV-MA; **ECTS:** 5

**Number of participants:** max. 20

**Course Prerequisites:** Advanced GIS skills (e. g. Seminar GIS I & II); Willingness to learn a (further) script language; Experience with other script languages (R, SQL, ...) is an advantage

### Organizational Issues

- Biweekly, 7 dates (10/21, 11/04, 11/18, 12/02, 12/16, 01/13, 01/27)
- First date: Thursday, 10/21/2021 (*No preliminary talk*)

### Course Software

- ArcGIS Desktop or ArcGIS Pro (ESRI)
- Python 2.7 or 3.x
- Python Editor (IDE)

### Learning Outcomes

- You have a deeper insight into GI-Systems
- You are able to use the script language Python
- You are familiar with Python's site-package (program library) ArcPy.
- You can apply python scripts to automate GIS-workflows

**Course date:** Thursday (biweekly.), 08:15 – 11:30, Room: CIP-Room 00.133

**Preliminary talk:** -

