

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 (10/25, 11/08, 11/22, 12/06, 12/20, 01/10, 01/24)
- First date: Thursday, 10/25/2022 (*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: Tuesday (biweekly.), 14:15 – 17:30, Room: CIP-Room 00.133

Preliminary talk: -

