Automate your GIS - Scripting in Python

Third-cycle level | 5.0 credits | 6-10 March "class room" teaching, 3 April project hand-in and seminar

A geographic information system (GIS) is a system designed to capture, store, manipulate, analyze, manage, and present spatial or geographic data. Where most of the geoscientific research activities include a spatial component, knowledge and skills on how to effectively process and analyses this kind of information is essential to be a successful researcher.

Department of Earth Sciences at University of Gothenburg gives a third cycle course on the concept of using basic programming and scripting to process, analyses and visualize spatial processes. The aim of this course is to acquire programming skills and concepts on how to perform automated processing within a GIS environment.



□ ¥ wallheightt.til

□ ¥ CDSM (magl)

This is an off-campus course. This requires that you have your own computer. This course will prepare you for the upcoming course in big data handling given by the Department of Earth Sciences later this year.

• Set up a GIS programming environment

based on your own research problem

Recommended prerequisites: Basic GIS skills (Chapter 1-12 in QGIS Training manual). No programming prerequisites needed.

Apply here: https://fubasdoc.gu.se/fubasextern/info?kurs=NGEO306

1 147725.7,6398779.3 % 2 1:1476

S SAGA

SlopeFailure

■ UMEP