

Geostatistics 2 BSc-module, WS 2019/2020

Teaching hours and location

Mondays	10:30-12:30	Geobibliothek	Gestatistik- Numerik
Mondays	13:30-16:00	Geobibliothek	Geostatistik 2

Course content

WEEK	DATE	TOPIC	Instructor
1	14. Oct	Introduction to MATLAB/Octave. Loop, first programs	Luca
2	21. Oct	Arrays, elasticity, forces and colliding particles	Luca
3	28. Oct	Balance equations, 1D elastic and viscous deformation	Luca
4	04. Nov	Wave like problems and seismic wave propagation	Luca
5	11. Nov	Diffusion type problems; combined diffusion and wave- like phenomena;	Luca
6	18. Nov	2D diffusion & 2D wave propagation	Luca
7	25. Nov	Programming GUIs in MATLAB	Luca
8	02. Dec	Image Processing and programming in Matlab	Klemens
9	09. Dec	Image Processing and programming in Matlab	Klemens
10	16. Dec	Image Processing and programming in Matlab	Klemens
X-mas break			
11	06. Jan	Introduction to R	Denis
12	13. Jan	Error propagation and curve fitting	Denis
13	20. Jan	Monte Carlo Simulation	Denis
14	27. Jan	Multivariate statistics	Denis
16	03. Feb	Time series analysis	Denis