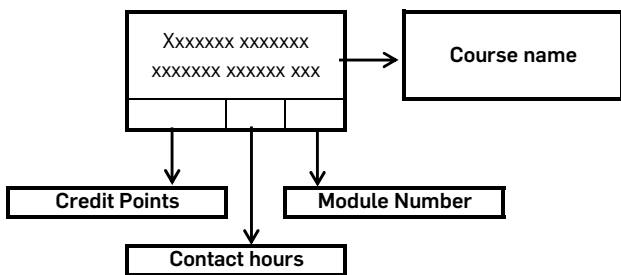


I	II	III	IV
Math. Aspects of Dif. Eq. and Numerical Math. 6 CP 4 SE-C-1	Numerical Methods in Stochastics 6 CP 4 SE-CO-8	Ground Exploration Methods 10 CP 6 SE-CO-11	Master Thesis 30 CP - SE-MT
Computational Methods 1 9 CP 6 SE-C-2	Drilling Engineering * 10 CP 5 SE-CO-9	Drilling Engineering * 10 CP 5 SE-CO-9	Elective 3 X CP X SE-O-X
Geology of the Earth's Crust 9 CP 4 SE-C-3	Selected Topics in Reservoir Characterization * 7 CP 5 SE-CO-17	Selected Topics in Reservoir Characterization * 7 CP 2 SE-CO-17	
Groundwater Hydraulics 5 CP 4 SE-C-4	Computational Methods 2 6 CP 4 SE-CO-10	Seismotectonics and Seismic Hazard 6 CP 4 SE-CO-16	
Elective 1 X CP X SE-O-X	Applied Geophysics 10 CP 6 SE-CO-12	Reservoir Engineering 5 CP 3 SE-CO-18	
	Geothermal Energy Systems 10 CP 6 SE-CO-13	Elective 2 X CP X SE-O-X	
	Hydrogeological Methods 8 CP 6 SE-CO-15	Project Work 4 CP - SE-C-5	



- Compulsory courses (min 33 CP required)
- Compulsory optional courses (min 48 CP required)
- Optional courses (min 9 CP required)
- Compulsory Master Thesis (30 CP)

Available elective courses for both specializations

Number	Course Name	CP
SE-O-1	Practical Training on Tunneling and Pipeline Constr	2
SE-O-2	Aspects of Design and Construction of Tunnels and d	2
SE-O-3	Technologies in Mechanised Tunneling	2
SE-O-4	Practical Soil Mechanics	3
SE-O-5	Environmental Geotechnics	3
SE-O-6	Introduction to Applied Geostatistics	4
SE-O-7	Digital Rock Physics	5
SE-O-8	High-Performance Computing on Multi- and Many C	6
SE-O-9	High-Performance Computing on Clusters	6
SE-O-10	Modern Programming Concepts in Engineering	6
SE-O-11	Deutschkurs – A1	4
SE-O-12	Deutschkurs – A2	4