Course of Study Civil Engineering (Study Cohort w16)

Sample course plan B Master Civil Engineering (BAUMS)
Specialisation Geotechnical Engineering

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective Compulsory	Specialisation Elective Compulsory	Focus Elective Compulsory	Interdisciplinary complement

LP	Semester 1	Form	Hrs/wk	Semester 2	Form	Hrs/wk	Semester 3	Form	Hrs/wk	Semester 4	Form	Hrs/wk
1	**Finite Elements Methods**			**Building Materials and Building Preservation**			**Study Work Foundation Engineering**			**Selected Topics in Civil Engineering (part 2)**		
2	Finite Element Methods	VL	2	Mineral Building Materials	VL	2				Selection from a catalog		
3	Finite Element Methods	HÜ	2	Transport Processes in Building Materials and Damage Processes	VL	1						
4				Repair of Structures	VL	1				**Master Thesis**		
5				Technology of mineral Building Materials	UE	1						
6				Anchor Technology and Design, Post Installed Rebar Connections	UE	1						
7	**Sustainability and Risk Management**			**Marine Geotechnics and Numerics**			**Concrete Structures**					
8	Environment and Sustainability	VL	2	Numerical Methods in Geotechnics	VL	3	Structural Concrete Members	VL	2			
9	Safety, Reliability and Risk Assessment	SE	2	Marine Geotechnics	VL	1	Structural Concrete Members	HÜ	2			
10				Marine Geotechnics	HÜ	1	Concrete Structures	SE	1			
11												
12												
13	**Advanced Foundation Engineering and Soil Laboratory Course**			**Soil Mechanics and -Dynamics**			**Selected Topics in Civil Engineering (part 1)**					
14	Advanced Foundation Engineering	VL	2	Soil Mechanics - Selected Topics	VL	2	Selection from a catalog					
15	Advanced Foundation Engineering	HÜ	1	Soil Dynamics	VL	3						
16	Soil Laboratory Course	PR	1	Experimental Researches in Geotechnics	PR	1	**Excavation Law**					
17							Subsoil and Underground Engineering Law	VL	2			
18							Service Contract and Procurement Law	VL	2			
19	**Coastal Hydraulic Engineering I**			**Harbour Engineering and Harbour Planning**								
20	Basics of Coastal Engineering	VL	3	Port Planning and Port Construction	VL	2						
21	Basics of Coastal Engineering	HÜ	1	Habour Engineering	VL	2						
22				Habour Engineering	PBL	1						
23												
24												
25	**Structures in Foundation and Hydraulic Engineering**											
26	Underground Constructions	VL	1									
27	Steel Structures in Foundation and Hydraulic Engineering	VL	2									
28												
29												
30	Underground Constructions	HÜ	1									
31												
32												
33												

Business & Management (from catalogue) - 6LP

Nontechnical Elective Complementary Courses for Master (from catalogue) - 6LP

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.