

Course Details										
Code					Academic Year			Semester		
BAU304					3			Spring		
Title				Т	Α	L	ECTS			
Soil Mechanics and Foundation E	Engineering II 2 2 1 6							6		
Language	German	ierman								
Level	Undergraduate		\checkmark	Graduate			I	Postgra	duate	
Department / Program	Civil Engineering									
Forms of Teaching and Learning	Formal	Formal								
Course Type	Compulsory \checkmark				Elective					
Objectives	In this module, t corresponding proc						ruction	s are	presented and the	
Content	Structural design, static calculation and stability proof of construction pit soles and usual wall constructions as well as of special constructions like diaphragm walls and underpinnings. Fundamentals and dimensioning of water holdings and their impact on the environment. In the accompanying tutorial, examples of the integrated event are worked on in small groups, laboratory exercises are carried out and support is given for the project to be worked on.									
Prerequisites										
Coordinator										
Lecturer(s)										
Assistant(s)										
Work Placement										
Recommended or Required R	eading									
Books / Lecture Notes	Grundbau: Teil 2 Baugruben und Gründungen (German Edition)4. November 2014von Konrad Simmer									
Other Sources										
Additional Course Material										
Documents										
Assignments										
Exams										
Course Composition										
Mathematics und Basic Sciences									%	
Engineering									%	
Engineering Design									%	



Social Sciences		%
Educational Sciences		%
Natural Sciences		%
Health Sciences		%
Expert Knowledge		%
Assessment		
Activity	Count	Percentage (%)
Midterm Exam		
Quiz		
Assignments		
Attendance		
Recitations		
Projects		
Final Exam		
	Total	100

ECTS Points and Work Load					
Activity	Count	Duration	Work Load (Hours)		
Lectures	14	5	70		
Self-Study	14	3	42		
Assignments					
Presentation / Seminar Preparation					
Midterm Exam	1	2	10		
Recitations					
Laboratory					
Projects					
Final Exam	1	2	15		
	137				
	6				
Learning Outcomes					

1	In the course of infrastructure measures, the excavation of inner-city construction pits with the help of special designs of special civil engineering is essential. In this module, the elevating wall and base constructions are therefore to be presented and the corresponding evidence for these constructions is learned. In addition, the basics of water conservation in construction projects and their impact on the environment are dealt with. The students are then able to plan inner-city construction pits and to determine and assess their stability. A project that accompanies the semester should train these skills for practice.
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Weekly Conten	nt						
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15							
Contribution of	f Learning Out	comes to Prog	ram Objective	es(1-5)			
	P1	P2	P3	P4	P5	P6	P7
1							
2							
3							
4							
5							



Contribution Level1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High							
Compiled by:							
Date of Compilation:							