

DEPARTMENT OF CIVIL ENGINEERING
COURSE SYLLABUS

Course Details				
Code	Academic Year			Semester
BAU204	2			Spring
Title	T	A	L	ECTS
Structural Analysis II	3	1	1	6
Language	German			
Level	Undergraduate	✓	Graduate	Postgraduate
Department / Program	Civil Engineering			
Forms of Teaching and Learning	Formal			
Course Type	Compulsory	✓	Elective	
Objectives	To learn the theoretical basics and calculation methods of classical statics with regard to statically in determinate bar structures.			
Content	Introduction to the calculation of statically indeterminate systems Force measurement method State lines of statically indeterminate beams and frame structures. Calculation of truss systems. Displacement method Lines of influence of statically indeterminate systems.			
Prerequisites				
Coordinator				
Lecturer(s)	Asst. Prof. Dr. Celal Çakıroğlu			
Assistant(s)	Uğur Günay			
Work Placement				
Recommended or Required Reading				
Books / Lecture Notes	Baustatik 2: Berechnung statisch unbestimmter Tragwerke5. Oktober 2015von Raimond Dallmann			
Other Sources				
Additional Course Material				
Documents				
Assignments				
Exams				
Course Composition				
Mathematics und Basic Sciences				%
Engineering				%

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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
		Total Work Load	137
		ECTS Points(Total Work Load / Hour)	6
Learning Outcomes			
1			
2			
3			
4			
5			

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6	
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12	

Weekly Content

1	
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15	

Contribution of Learning Outcomes to Program Objectives(1-5)

	P1	P2	P3	P4	P5	P6	P7
1							
2							
3							
4							
5							
6							
7							
8							
9							

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10							
11							
12							
Contribution Level	1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High						
Compiled by:							
Date of Compilation:	20.04.2021						