

DEPARTMENT OF CIVIL ENGINEERING
COURSE SYLLABUS

Course Details				
Code	Academic Year			Semester
BAU350	3			Fall
Title	T	A	L	ECTS
Project I	2	-	2	6
Language	German			
Level	Undergraduate	✓	Graduate	Postgraduate
Department / Program	Civil Engineering			
Forms of Teaching and Learning	Face to face			
Course Type	Compulsory		Elective	✓
Objectives	<p>The Civil Engineering Project course aims to enable students to apply the knowledge they have acquired in previous courses as part of a multidisciplinary design team. During this process, students will test their ability to solve engineering problems as a group by developing their communication skills, teamwork skills, and presentation techniques. The objective of the course is for students to acquire the versatile skills necessary to effectively carry out engineering projects within a team and to gain project management experience by taking on responsibilities in a professional environment.</p>			
Content	<p>The topics are announced at the beginning of the semester and are worked on independently in groups. The basic project consists of a course during the semester, which forms the framework for the project.</p> <p>Contents of this course are among others:</p> <ul style="list-style-type: none"> - Introduction to the project (tasks, boundary conditions etc.) - Basics of project management - Communication in the project (working with the project communication system) <p>The students present the results of their work and the project-specific problems in presentations. In these lectures, project-specific problems are to be dealt with. Excursions will also take place as required. The actual project work takes place in groups. The size of the groups depends on the tasks. It must be ensured that communication takes place both within the group working on a sub-project and between the superordinate teams/groups. For communication, i.e. the exchange of information (e-mail or other documents, drawings etc.), a computer-supported project workspace is provided. The results of the project work are presented in final presentations.</p>			
Prerequisites	(BAU202 or BAU203)			
Coordinator	Prof.Dr. Murat Hamderi			
Lecturer(s)	Prof.Dr. Murat Hamderi			
Assistant(s)	Res. Assist. Recep ÖZKAN			
Work Placement	--			
Recommended or Required Reading				
Books / Lecture Notes	Construction Project Management: A Complete Introduction First Edition by Alison Dykstra			
Other Sources	Lecture notes			

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Additional Course Material			
Documents	--		
Assignments	--		
Exams	--		
Course Composition			
Mathematics und Basic Sciences	25	%	
Engineering	25	%	
Engineering Design	25	%	
Social Sciences	25	%	
Educational Sciences		%	
Natural Sciences		%	
Health Sciences		%	
Expert Knowledge		%	
Assessment			
Activity	Count	Percentage (%)	
Midterm Exam			
Quiz			
Assignments			
Attendance			
Recitations			
Projects	2	60	
Final Exam	1	40	
		Total	100
ECTS Points and Work Load			
Activity	Count	Duration	Work Load (Hours)
Lectures	14	2	28
Self-Study	13	7	91
Assignments	9	2	18
Presentation / Seminar Preparation			
Midterm Exam			
Recitations			
Laboratory			
Projects	14	2	28
Final Exam	1	3	3
		Total Work Load	168

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ECTS Points (Total Work Load / Hour)		6
Learning Outcomes		
1	Students gain the ability to effectively manage time, resources, and costs in civil engineering projects. They also develop the ability to identify and manage risks encountered during the project process.	
2	Students present engineering projects clearly and effectively through technical reports and presentations. When presenting, they gain the ability to communicate their technical knowledge in a way that is appropriate for the audience.	
3	Students gain experience in leading teams and sharing responsibilities by taking on leadership roles in projects. They also develop decision-making and problem-solving skills during the project process.	
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12		
Weekly Content		
1	Description of the course, information about its operation	
2	Introduction to the project	
3	Determination of project topics	
4	Presentation of students' project proposals	
5	Project Progress Report	
6	Project Progress Report	
7	Project Progress Report	
8	Midterm Report Presentation	
9	Project Progress Report	
10	Project Progress Report	
11	Project Progress Report	
12	Project Progress Report	
13	Project Progress Report	
14	Project Progress Report	

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15	Project Progress Report						
Contribution of Learning Outcomes to Program Objectives (1-5)							
	P1	P2	P3	P4	P5	P6	P7
1	5	4		4	3	3	4
2	5	3		3	5	3	4
3	5	5		5	3	3	4
4							
5							
6							
7							
8							
9							
10							
11							
12							
Contribution Level	1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High						
https://obs.tau.edu.tr/oibs/bologna/progLearnOutcomes.aspx?lang=en&curSunit=5728							
Compiled by:	Recep ÖZKAN						
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