DEPARTMENT OF CIVIL ENGINEERING
COURSE SYLLABUS

Course Details				
Code	**Academic Year**			**Semester**
BAU091	1			Fall
Title	**T**	**A**	**L**	**ECTS**
Introduction to Civil Engineering	2	-	-	2

Language	German					
Level	**Undergraduate**	✓	**Graduate**		**Postgraduate**	
Department / Program	Civil Engineering					
Forms of Teaching and Learning	Formal					
Course Type	**Compulsory**	✓	**Elective**			
Objectives	The aim of this course is to introduce the Civil Engineering profession and its sub-specialities in general and to convey the historical background, current status and future challenges of the Civil Engineering profession to the students. It is aimed to develop students' ethical and professional responsibilities and to improve themselves in written and oral communication.					
Content	This course not only facilitates academic orientation for students but also comprehensively addresses the general definition, history, and evolution of civil engineering. The curriculum embraces the specialized fields of civil engineering, the dynamics of entrepreneurship, and engineering ethics, while also incorporating the development of research skills and presentation techniques within a significant branch of engineering.					
Prerequisites	-					
Coordinator	Prof.Dr. Murat Hamderi					
Lecturer(s)	Prof.Dr. Murat Hamderi					
Assistant(s)	Uğur Günay					
Work Placement						

Recommended or Required Reading	
Books / Lecture Notes	Manuskript: Fertigungsverfahren in der Bauwirtschaft • Drees, G. / Krauß, S.: Baumaschinen und Bauverfahren, 3. Auflage, Expert-Verlag, 2002 König, H.: Maschinen im Baubetrieb, 2. Auflage, Viehweg+Teubner Verlag, 2008
Other Sources	

Additional Course Material	
Documents	-
Assignments	-
Exams	-

Course Composition		
Mathematics und Basic Sciences		%

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Engineering	90	%
Engineering Design	10	%
Social Sciences		%
Educational Sciences		%
Natural Sciences		%
Health Sciences		%
Expert Knowledge		%

Assessment

Activity	Count	Percentage (%)
Midterm Exam	1	40
Quiz		
Assignments		
Attendance		
Recitations		
Projects		
Final Exam	1	60
	Total	**100**

ECTS Points and Work Load

Activity	Count	Duration	Work Load (Hours)
Lectures	14	2	28
Self-Study	12	2	24
Assignments			
Presentation / Seminar Preparation			
Midterm Exam	1	2	2
Recitations			
Laboratory			
Projects			
Final Exam	1	2	2
		Total Work Load	**56**
		ECTS Points (Total Work Load / Hour)	**2**

Learning Outcomes

1	Have knowledge about the working areas of the profession.
2	Gain the ability to analyse and report an existing civil engineering practice.
3	Gain teamwork, presentation and self-expression skills.

Weekly Content

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1	Introduction to Civil Engineering
2	General Definition of Civil Engineering
3	Building Materials sub-speciality
4	Structural and Earthquake Engineering sub-speciality
5	Geotechnical Engineering sub-speciality
6	Building Management sub-speciality
7	Hydraulic and Transport Engineering sub-speciality
8	Midterm Exam
9	General Site Management
10	Entrepreneurship: Basic Concepts
11	Engineering Ethics: Basic Concepts
12	Student Presentations
13	Student Presentations
14	Student Presentations
15	Student Presentations
16	Final Exam

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

	P1	**P2**	**P3**	**P4**	**P5**	**P6**	**P7**
1	4	3	2	3	2	1	5
2	5	4	3	4	3	5	4
3	2	3	5	3	5	2	4

Contribution Level	1: Low 2: Low-intermediate 3: Intermediate 4: High 5: Very High
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