

COURSE DESCRIPTION FORM

Course Code and Title	CE101 INTRODUCTION TO CIVIL ENGINEERING
Semester	1
Catalog description	<p>Civil Engineering Education in Turkey, History of Civil Engineering,, Ethics in Civil Engineering,, The Importance of Water Resources in Civil Engineering, Mechanics in Civil Engineering, Soil Mechanics in Civil Engineering, Structural Stability in Civil Engineering, Invited speaker from business world</p> <p>Extraordinary civil engineering constructions, Invited speaker from business world, Transportation engineering in civil engineering,, Invited speaker who graduated from civil engineering,, Meeting with students of civil engineering department, What is the Student Affairs, what is the education and training examination regulation, what is the internship, how and where to do it.</p>
Required reading	Naci YÜCEFER, İnşaat Mühendisliğine Giriş, İstanbul Gelişim Üniversitesi Yayınları.
Recommended reading	-
ECTS	3
Prerequisites and co-requisites	No prerequisite Required attendance to lectures is at least 70%
Compulsory/Elective	Compulsory
Language of instruction	English
Aim of course	To make it easier for the student to understand the department of civil engineering, lessons and civil engineering profession
Learning outcomes of the course unit	<p>Students will be able to recognize the Department of Civil Engineering.</p> <p>Students are provided with the opportunity to recognize civil engineering.</p> <p>Students are provided with the opportunity to recognize lecturers of civil engineering</p> <p>Students are provided with the opportunity to recognizelecturres of civil engineering.</p> <p>The opportunity to know the business life of the student is provided.</p> <p>It is possible to recognize the student education system.</p>
Mode of delivery	The mode of delivery of this course is face to face.
Course content	<ol style="list-style-type: none"> 1. Civil Engineering Education in Turkey. General Information on the History of Civil Engineering 2. Ethics in Civil Engineering 3. The Importance of Water Resources in Civil Engineering 4. Mechanics in Civil Engineering 5. Soil Mechanics in Civil Engineering 6. Building Engineering Stability 7. invited speaker from business world 8. Outstanding Important Buildings and Midterm I

	<p>9. Outstanding Important Buildings</p> <p>10. invited speaker from business world</p> <p>11. Transportation in civil engineering</p> <p>12. graduate of civil engineering invited speaker</p> <p>13. Meet civil engineering department students</p> <p>14. Midterm II</p> <p>15. What is Student Affairs, what is the education and training examination regulation, what is the internship, where and how.</p>						
Planned learning activities and teaching methods	<p>2 lecture hours per week (2+0)</p> <p>Reading activities</p> <p>Searching in Internet and Library</p> <p>Midterm exam and required works</p> <p>Final exam and required works</p>						
Assessment methods and criteria		Quantity	Percentage (%)				
	Mid-terms	2	55				
	Assignment	2	5				
	Exercises	-	-				
	Projects	-	-				
	Practice	-	-				
	Quiz	-	-				
	Contribution of In-term Studies to Overall Grade %		60				
	Contribution of Final Examination to Overall Grade (%)		40				
	Attendance						
Workload	Efficiency	Total Week Count	Weekly Duration (in hour)	Total Workload in Semester			
	Theoretical Study Hours of Course Per Week	14	2	28			
	Practicing Hours of Course Per Week	0	0	0			
	Reading	5	1	5			
	Searching in Internet and Library	14	1	14			
	Designing and Applying Materials	0	0	0			
	Preparing Reports	0	0	0			
	Preparing Presentation	0	0	0			
	Presentation	0	0	0			
	Mid-Term and Studying for Mid-Term	2	2	4			
	Final and Studying for Final	1	3	3			
	Other	0	0	0			
	Total Workload:			79			
	Total Workload / 25:			3.16			
	ECTS:			3			
Course's contribution to program	No	Program Learning Outcomes	1	2	3	4	5

	1	Adequate knowledge in mathematics, science and engineering subjects pertaining to the relevant discipline; ability to use theoretical and applied knowledge in these areas in complex engineering problems.	X					
	2	Ability to identify, formulate, and solve complex civil engineering problems; ability to select and apply proper analysis and modeling methods for this purpose.	X					
	3	Ability to design a complex system, process, device or product under realistic constraints and conditions, in such a way as to meet the desired result; ability to apply modern design methods for this purpose.	X					
	4	Ability to devise, select, and use modern techniques and tools needed for analyzing and solving complex problems encountered in civil engineering practice; ability to employ information technologies and to use at least one computer programming language effectively.	X					
	5	Ability to design and conduct experiments, gather data, analyze and interpret results for investigating complex civil engineering problems or discipline specific research questions.	X					
	6	Ability to work efficiently in intra-disciplinary and multi-disciplinary teams.	X					
	7	Ability to work individually.			X			
	8	Ability to communicate effectively in Turkish, both orally and in writing; ability to write effective reports and comprehend written reports.	X					
	9	Knowledge of English of B1 level according to Common European Framework of Reference.	X					
	10	Prepare design and production reports, make effective presentations, and give and receive clear and intelligible instructions.	X					
	11	Recognition of the need for lifelong learning; ability to access information, to follow developments in science and technology, and to continue to educate him/herself.			X			
	12	Consciousness to behave according to ethical principles and professional and ethical responsibility.						X
	13	Knowledge on standards used in civil engineering practice.	X					
	14	Knowledge about business life practices such as project management, risk management, and change management.	X					
	15	Awareness in entrepreneurship, innovation; knowledge about sustainable development.			X			
	16	Knowledge about the global and social effects of engineering practices on health, environment, and safety, and contemporary issues of the century reflected into the field of engineering.				X		
	17	Awareness of the legal consequences of engineering solutions.						X
Name of lecturer(s) and contact information	Doç.Dr. Nihat Eroğlu, enihat@gazi.edu.tr							