

COURSE RECORD

Code	CE 102
Name	Exploring Profession
Hour per week	4 (2+ 2)
Credit	3
ECTS	5
Level/Year	Undergraduate/1
Semester	Spring
Type	Compulsory
Prerequisites	-
Description	This course is a required course for the students in the department of civil engineering and it presents past, status, and future challenges of civil engineering profession; ethics and professional responsibility ; written and oral communication; concepts of analysis, design, computational approaches, and experiences with experiments in lab and a technical trip; interpretation of results and decision making; awareness of the legal consequences of engineering solutions.
Objectives	<ul style="list-style-type: none"> • Presenting past, status, and future challenges of civil engineering profession • Giving knowledge about ethics, laws, and professional responsibility for civil engineers • Developing written and oral communication • Providing concepts of analysis, design, computational approaches, and experiences • Interpreting the results and decision making
Learning Outcomes	<p><i>By the end of the course, student will be able to:</i></p> <p><i>L01: Discover knowledge about the importance of Civil Engineering in the infrastructural development of the society</i></p> <p><i>L02: Point out the importance of communication as a tool for effective engineering practice</i></p> <p><i>L03: Analyze the global implications of Civil Engineering practice</i></p> <p><i>L04: Assess a comprehensive overview of the component fields within civil engineering</i></p> <p><i>L05: Describe the examples of the materials and physical components of the practice of all areas of civil engineering through both hands-on experiments and demonstrations</i></p> <p><i>L06: Discover knowledge about ethical principles and responsibility and recognize the legal consequences of engineering solutions</i></p>

CONTRIBUTION TO PROGRAMME OUTCOMES*

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
L01	0	1	3	3	0	0	0	1	1	3	3
L02	5	5	5	4	0	4	5	0	0	3	5
L03	3	2	3	2	0	0	1	0	0	4	5
L04	4	3	5	2	2	1	1	2	2	2	1
L05	5	5	5	5	4	5	1	3	0	0	0
L06	0	0	0	0	0	0	0	0	5	0	5

* Contribution Level: 0: None, 1: Very Low, 2: Low, 3: Medium, 4: High, 5: Very High

COURSE CONTENT DETAILS

Topics	Outcomes
Civil Engineering Profession, Science, Technology and Engineering	L01, L03
History of Civil Engineering	L01, L03
Workspaces of Civil Engineers	L01, L03, L04
Project and Presentation Preparation Techniques	L02, L05
Properties of Different Materials and Construction of Civil Engineering Structural Models	L02, L04, L05
Law and Ethics in Civil Engineering: A Brief History of Ethics; Introduction to Ethical Conflicts, Values and Value Systems/History of Engineering Profession, Ethics, Liability and Legal Issues for Civil Engineers.	L06
Law and Ethics in Civil Engineering: Introduction to Law in Construction Sector; Origins of the Construction Disputes, Construction Claims; Categories of Construction Problems, Resolution of Disputes; Productivity Dispute Relations	L06

DERS BİLGİLERİ

Kodu	CE 102
İsmi	Mesleğimizi Keşfedelim
Haftalık Saati	4(2+2)
Kredi	3
AKTS	5
Seviye/Yıl	Lisans/1
Dönem	Bahar
Dersin Dili	İngilizce
Tip	Zorunlu
Ön Şart	-
İçerik	Bu ders, inşaat mühendisliği bölümü öğrencileri için zorunlu bir derstir ve inşaat mühendisliği mesleğinin geçmiş, güncel ve gelecek hedeflerini sunar. Etik ve mesleki sorumluluk; yazılı ve sözlü iletişim, analiz, tasarım, hesaplama yaklaşımları ve ilgili laboratuvarlarda ve teknik gezilerdeki deneyimleri ve sonuçların yorumlanması ve karar verme mekanizmalarını ve mühendislik çözümlerinin hukuki sonuçları hakkındaki farkındalığı içerir.