

CE 101
INTRODUCTION TO CIVIL ENGINEERING AND SUSTAINABILITY (2-0)2
FALL 2026-2027

Instructor: Asst. Prof. Dr. Tolga Ercan, Civil Engineering Department, Phone: 750-6830
Email: tolgaercan@iyte.edu.tr

TA: Research Assistant Elif Girgin, Phone: 750-6818, e-mail: elifgirgin@iyte.edu.tr

Course Hours: Thursday 13:30 - 15:15

Lecture Room: B211

Course Website: <https://cloud-lms.iyte.edu.tr> “CE101-Introduction to civil engineering and sustainability(26-27FALL)” as well as a MS Teams Channel that you will be added. All announcements and course materials (lecture notes, homework, etc.) will be uploaded on this site.

Aims and objectives of the course:

1. Introducing the history of the profession and different sub-disciplines in civil engineering.
2. Explaining the ethical, social, cultural, and environmental responsibilities of the civil engineer.
3. Fundamentals of sustainability and circular economy concepts
4. Sustainability and circular economy concepts in sub-branches of civil engineering
5. Providing resources, infrastructure, and motivation for other courses.
6. Developing the teamwork and communication skills needed while doing the project.

Tentative Course Outline:

Week 1	01/10/26	Civil Engineering education at İYTE
Week 2	08/10/26	Civil Engineering work ethic / Earthquake country – Türkiye & Turkish Chamber of Civil Engineers (IMO) talk
Week 3	15/10/26	Experiences of İYTE Graduates - Civil Engineering sub-branches
Week 4	22/10/26	Construction Engineering and Management
Week 5	29/10/26	HOLIDAY
Week 6	05/11/26	Geotechnical Engineering for a Sustainable World & Structural Engineering for a Sustainable World & Competition Guidelines
Week 7	12/11/26	Presentation about Building Materials & Structural Engineering
Week 8	19/11/26	Water Resources
Week 9	26/11/26	Geotechnical Engineering & History of Science
Week 10	03/12/26	MIDTERM I
Week 11	10/12/26	Transportation Division & Transportation Engineering for a Sustainable World
Week 12	17/12/26	Hydraulics Engineering
Week 13	24/12/26	Construction Materials Engineering
Week 14	31/12/26	Coastal and Harbor Engineering & History of Dams
Week 15	07/01/27	BRIDGE COMPETITION
		FINAL EXAM

Grading Policy:

Weekly Report Writing Assignment: 30%

Bridge Competition: Report (10%), Design (10%)

Midterm: 25%

Final Exam: 25%

Attendance Policy: It is compulsory to attend **at least 70%** of the active class hours to have a letter grade.

Cheating or copying:

If a student is found guilty of copying homework or cheating in tests, he/she will receive “F” grade for the course.