

**CE 101**  
**INTRODUCTION TO CIVIL ENGINEERING AND SUSTAINABILITY (2-0)2**  
**FALL 2024-2025**

**Instructor:** Prof. Dr. Nurhan Ecemiş, Civil Engineering Department, C225, Phone: 750-6812  
[nurhanecemis@iyte.edu.tr](mailto:nurhanecemis@iyte.edu.tr)

**TA:** Elif Girgin, Phone: 750-6818, e-mail: [elifgirgin@iyte.edu.tr](mailto:elifgirgin@iyte.edu.tr)

**Course Hours:** Friday 13:30-15:15

**Lecture Room:** B211

**Course Website:** <https://cloud-lms.iyte.edu.tr> “CE101 İNŞAAT MÜHENDİSLİĞİNE VE SÜRDÜREBİLİRLİĞE GİRİŞ\_SB:1 İNŞAAT MÜHENDİSLİĞİ” 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:**

<b>Week 1</b>	Civil Engineering education at İYTE
<b>Week 2</b>	Turkish Chamber of Civil Engineers (İMO) talk
<b>Week 3</b>	Civil Engineering sub-branches
<b>Week 4</b>	Experiences of İYTE Graduates
<b>Week 5</b>	Civil Engineering work ethic / Earthquake country – Türkiye
<b>Week 6</b>	Fundamentals of Sustainability in Civil Engineering
<b>Week 7</b>	Presentation about Structural Engineering
<b>Week 8</b>	Structural Engineering for a Sustainable World
<b>Week 9</b>	<b>MIDTERM I</b>
<b>Week 10</b>	Presentation about Transportation Division & Transportation Engineering for a Sustainable World
<b>Week 11</b>	Presentation about Soil Mechanics & Geotechnical Engineering for a Sustainable World
<b>Week 12</b>	Presentation about Building Materials & Building Materials for a Sustainable World
<b>Week 13</b>	Guest: Presentation about Practice of Civil Engineering (Office and field applications)
<b>Week 14</b>	Presentation about Water Resources Division & Water Resources for a Sustainable World and Coastal Port Engineering for a Sustainable World

**Grading Policy:**

Weekly Report Writing Assignment: 50%

Midterm: 20%

Final Exam: 30%

**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 “FF” grade for the course.