CE 244 MATERIALS OF CONSTRUCTION (3+2) 4
2024-25 Spring Semester

Instructor:
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Research Assistants
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Course Content:
Properties and behaviour of basic construction materials such as ferrous and non-ferrous metals, clay products, timber, building stones, mineral aggregates, lime, gypsum, cement, pozzolans, and concrete. Factors affecting their properties, pertinent standard specifications and tests, their use in constructions, and production techniques.

Schedule:
Monday: 09:45 – 12:30 B211
Wednesday: 15:30 – 17:15 B211

Grading:

Assessment	Weight	Date
Mid-Term	**30 %**	**17.04.2025** (Tentatively)
Homework	**10 %**	weekly
Lab reports (3-4)	**20 %**	
Final	**40 %**	**16.06.2024** (Tentatively)

References:

- T.Y. Erdoğan, Materials of Construction, Metu Press, 2002.
- A.M. Neville, Properties of Concrete, Harlow, England; New York: Prentice Hall/Pearson Education, 2006.
- C. Hornbostel, Construction materials: types, uses and applications, New York: John Wiley & Sons, 1991.
- Edward Allen and Joseph Iano, Fundamentals of building construction: materials and methods, N.J.: J. Wiley & Sons, 2004.

Online platforms:
- Teams (files, submissions, announcements, exams, etc),