

C E 315: Civil Engineering Materials

CIVIL ENGINEERING

Fundamental concepts of materials science including the structure and properties of materials and their relationship to material selection and system design; classification of materials; properties and behavior of construction materials including soils and aggregates, cement, concrete, metals, wood, asphalt, composites, and other new materials; mix design procedures and properties of Portland cement concrete and bituminous/asphalt mixtures; quality control and quality assurance.

3 Credits

Prerequisites

- C E 315 Requires: One Way-Co-Requisite C E 431

One-way corequisites

- [C E 431: Soil Mechanics I](#)

Instruction Type(s)

- Lecture/Lab: Lecture/Lab for C E 315

Subject Areas

- [Civil Engineering, General](#)
- [Materials Engineering](#)

