

# 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

#### Instruction Type(s)

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

## Course Fee(s) Civil Engineering 2

• \$100.00

### **Subject Areas**

- Civil Engineering, General
- Materials Engineering

