

# C E 514: Pre-Stressed Concrete Design

Pre- and post- tensioning technologies; material properties; ACI and AASHTO allowable stresses; response to and design for axial load, flexure, shear, and torsion; applications to buildings and bridges.

#### 3 Credits Prerequisites

• <u>C E 412: Design of Concrete Structures</u>

## Instruction Type(s)

• Lecture: Lecture for C E 514

#### **Subject Areas**

- Civil Engineering, General
- <u>Structural Engineering</u>

### **Related Areas**

- Civil Engineering, Other
- Geotechnical and Geoenvironmental Engineering
- Transportation and Highway Engineering
- <u>Water Resources Engineering</u>

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