

# 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</u>: <u>Design of Concrete Structures</u> \$target.descriptions.MinimumGrade\$

## Instruction Type(s)

Lecture: Lecture for C E 514

## **Subject Areas**

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

#### **Related Areas**

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

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