

# C E 416: Bridge Engineering

Bridge types, functions, construction features; AASHTO design vehicle loading; LRFD limit states design of superstructure elements; short span steel and pre-stressed concrete girder deck systems; introduction to design of substructure elements.

#### 3 Credits

#### Prerequisites

- <u>C E 412: Design of Concrete Structures</u>
- <u>C E 311: Structural Analysis</u>
- Pre-Requisite: 24 Earned Hours

#### Instruction Type(s)

• Lecture: Lecture for C E 416

## **Subject Areas**

<u>Structural Engineering</u>

### **Related Areas**

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

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