C E 416: Bridge Engineering

Civil 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
• C E 412: Design of Concrete Structures
• C E 311: Structural Analysis
• Pre-Requisite: 24 Earned Hours

Instruction Type(s)
• Lecture: Lecture for C E 416

Subject Areas
• Structural Engineering

Related Areas
• Civil Engineering, General
• Civil Engineering, Other
• Geotechnical and Geoenvironmental Engineering
• Transportation and Highway Engineering
• Water Resources Engineering