

# C E 511: Structural Dynamics Civil Engineering

Response of linear SDOF and MDOF systems. Application to frame vibration in complex structures; introduction to continuous systems; modal analysis for steady-state and transient response under dynamic loads in various applications; computer simulation.

### **Prerequisites**

- Math 353: Elementary Differential Equations
- C E 311: Structural Analysis

### Instruction Type(s)

• Lecture: Lecture for C E 511

## **Subject Areas**

- Civil Engineering, General
- Structural Engineering

#### **Related Areas**

- Civil Engineering, Other
- · Geotechnical and Geoenvironmental Engineering
- Transportation and Highway Engineering
- Water Resources Engineering

