

# 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.

3 Credits

### **Prerequisites**

- C E 411: Structural Analysis
- Math 353: Elementary Differential Equations
- Pre-requisite: C E 411 or Graduate Standing

## 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

