

## **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](#)

