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
- 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