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, General
• Geotechnical and Geoenvironmental Engineering
• Structural Engineering
• Transportation and Highway Engineering
• Water Resources Engineering