

# 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](#) \$target.descriptions.MinimumGrade\$
- [C E 311: Structural Analysis](#) \$target.descriptions.MinimumGrade\$

### 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](#)

