

## **C E 511: Structural Dynamics** <u>Civil Engineering</u>

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
  - <u>Math 353: Elementary Differential Equations</u>
  - <u>C E 311: Structural Analysis</u>

### Instruction Type(s)

• Lecture: Lecture for C E 511

### **Subject Areas**

- <u>Civil Engineering, General</u>
- <u>Structural Engineering</u>

#### **Related Areas**

- Civil Engineering, Other
- Geotechnical and Geoenvironmental Engineering
- Transportation and Highway Engineering
- <u>Water Resources Engineering</u>

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