

# **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**

- Civil Engineering, General
- <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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