

# C E 511: Structural Dynamics

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>
- Structural Engineering

## **Related Areas**

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

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