

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

- Math 353: Elementary Differential Equations
- CE 311: Structural Analysis

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

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