

C E 421: Matrix Analysis of Structures

Virtual work and virtual displacement methods; introduction to the flexability and displacement matrix methods; stiffness matices for rod, frame, and slab elements; introduction to stuctural dynamics and elastic stability; computational tools.

3 Credits

Prerequisites

- <u>C E 311: Structural Analysis</u>
- Pre-Requisite: 24 Earned Hours

Cross-listed Courses

• M E 421: Structural Analysis

Instruction Type(s)

Lecture: Lecture for C E 421

Subject Areas

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

Related Areas

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

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