C E 435: Advanced Geotechnical Engineering

Civil Engineering

Linear and non linear geotechnical issues, advanced bearing capacity equations, propagation of body wave, dynamic pile driving equations. STATNAMIC, drilled piers, braced earth retaining structures, ground modifications, geotechnical instrumentation, Cam Clay model and other classical and modern topics.

3 Credits

Prerequisites

- C E 431: Soil Mechanics I
- C E 433: Foundation Engineering
- Pre-Requisite: 24 Earned Hours

Instruction Type(s)

- Lecture: Lecture for C E 435

Subject Areas

- Civil Engineering, General

Related Areas

- Civil Engineering, Other
- Geotechnical and Geoenvironmental Engineering
- Structural Engineering
- Transportation and Highway Engineering
- Water Resources Engineering