

CIEG-600: Advanced Soil Mechanics

This course covers: 1) the elastoplastic response of soils highlighting issues such as the influence of structure, time, environment, drainage, and stress history on their anisotropic behavior, 2) critical state soil mechanics, 3) stress-dilatancy, stress paths, 4) 2D water flow, 5) 2D consolidation, and 6) slope stability. Prerequisites: CIEG-434.

Credits: 3

Program: Civil Engineering