

CIEG-603: Advanced Foundation Engineering

This course covers: 1) geotechnical site investigation methods and in-situ tests to estimate soil engineering properties, 2) discussion on concepts of factors of safety, margin of safety, reliability, and load and resistance factor design, 3) parameter selection, analysis, and design of shallow and deep foundations, and 4) analysis and design of earth retaining structures. Prerequisites: CIEG-433.

Credits: 3

Program: Civil Engineering