



SOIL PROPERTIES AND LABORATORY TESTING

A MODULE IN THE UPDATED RGE EXAM STUDY SERIES

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ABOUT THE UPDATED RGE EXAM STUDY SERIES

CalGeo released its 10-module “Geotechnical Engineer License Review Course” in the late 1980s and early 1990s. Beginning in Fall 2023, CalGeo is releasing an update to this much used course through a dozen iterative live virtual webinars, each of which will be scheduled for two hours of lecture and one hour of Q&A.

ABOUT THE SOILS PROPERTIES AND LABORATORY TESTING MODULE

The Soils Properties and Laboratory Testing Module is comprised of six sections:

- Section 1: Index Properties
- Section 2: Soil Consolidation Properties
- Section 3: Soil Strength Properties
- Section 4: Soil Modulus
- Section 5: Soil Permeability
- Section 6: Other Soil Parameters

ABOUT THE PRESENTER

Debanik has over 30 years of professional experience in management, design, and construction of engineering projects, of which 22 years were providing geotechnical engineering design services to transportation, port and harbor, commercial, and energy sectors. His broad project experience includes tunnel and underground structures for light rail transit, power transmission lines, bridges, water and wastewater facilities, port and waterfront structures, and mid- to high-rise buildings.

Debanik’s expertise includes analysis and design of shallow and deep foundations, earth retaining structures and ground support, evaluation of static and dynamic slope stability, seismic ground response analysis, analysis of soil liquefaction, investigation of earthquake-induced ground failures, and numerical modeling of soil-structure interaction. He is a lecturer at California State University at Sacramento, and also taught undergraduate and graduate level geotechnical engineering courses at California Polytechnic State University at Pomona.



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