

GROUNDWATER FLOW AND SEEPAGE

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. Starting in Fall 2023, CalGeo has been releasing an update to this much used course through iterative live virtual webinars, each of which will be scheduled for two hours of lecture and one hour of Q&A.

ABOUT THE GROUNDWATER FLOW AND SEEPAGE MODULE

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|---------------------------|--------------------------|
| 1. Introduction | 4. Two-Dimensional Flow |
| 2. One-Dimensional Flow | 5. Damage and Mitigation |
| 3. Hydraulic Conductivity | |

ABOUT THE PRESENTER

Dr. Nathaniel Wagner is a Project Engineer at Slate Geotechnical Consultants in Oakland, California. He is a registered civil and geotechnical engineer in California and earned his BS, MS, and PhD at the University of California, Berkeley. He has provided engineering support and managed geotechnical projects throughout California and the United States, including for subsurface utilities, power plants, earth and concrete dams, hospitals, building foundations, and forensic geotechnical engineering, as well as peer review of geotechnical engineering and foundation design aspects of structures. His areas of expertise include analysis of shallow and deep foundation systems, analysis of earth retaining systems, assessment of seismic hazards due to liquefaction, slope stability and seismic deformation potential of embankment dams, site response analysis, and numerical modeling of geotechnical and soil/structure systems. He has served as a lecturer at California State University, Sacramento, teaching undergraduate Soil Mechanics.



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