



## SLOPE STABILITY

### A MODULE IN THE UPDATED RGE EXAM STUDY SERIES

TUESDAY, OCTOBER 24 | 10 AM – 1 PM | VIRTUAL

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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 SLOPE STABILITY MODULE

The Slope Stability Module is comprised of seven sections:

Section 1: Introduction

Section 2: Stability Analysis Scenarios

Section 3: General Modes of Slope Failure

Section 4: Methods of Analysis

Section 5: Stabilization Methods

Section 6: Slope Protection

Section 7: Example Problems

#### ABOUT THE PRESENTER

Dr. Bastani has over 29 years of diversified experience in geotechnical, earthquake, and environmental engineering. As GMU’s Director of Engineering, he oversees all complex geotechnical engineering projects. Ali’s professional experience entails performance on, management of, and providing practical solutions for a variety of projects including: (1) Geotechnical investigation, site characterization, and monitoring for foundation design of bridges, water reservoirs, pipelines, power plants, commercial and industrial facilities, and landfills; (2) Seismic ground motion studies, site response analysis, liquefaction analysis, determination of seismic-induced deformations, and seismic retrofit evaluations; (3) Deep-seated and shallow landslide investigation, analysis, and mitigation; (4) Design of shoring, retaining structures, and stabilization systems including tie-back and soil nail walls; (5) Groundwater flow modeling; and (6) Seismic hazard evaluation, probabilistic and deterministic, for various seismic zones within the United States and abroad.

Ali possesses a comprehensive knowledge and applied use of conceptual, physical, and numerical modeling for geotechnical and environmental engineering solutions. He has served as an adjunct faculty at Cal Poly Pomona.



**ALI BASTANI, PHD, PE, GE, FASCE**  
PRINCIPAL, DIRECTOR OF ENGINEERING  
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*\*If you have purchased the old RGE Exam Study Materials, you may receive a \$25 discount on updated modules. Contact [info@calgeo.org](mailto:info@calgeo.org) if you need this code.*