Learning Objectives

You'll be able to:

Understand the properties of soils, and discuss the need to conduct soil investigations to determine the appropriate type of foundation for the building site.

Understand the hydraulic and mechanical properties of site soils, paying particular attention to soil compressibility and permeability and their impact on foundation design.

Calculate soil bearing capacity for shallow foundations, piers and piles.

Increase bearing capacity through draining, compaction and soil improvement.

Learn why slopes fail, and describe slope stabilization methods to prevent slope failure and landslides.

Continuing Education Credits

<table>
<thead>
<tr>
<th>Professional Engineers</th>
<th>Architects</th>
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<tbody>
<tr>
<td>6.5 PDHs</td>
<td>6.5 HSW Continuing Ed. Hours</td>
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<tr>
<td>Landscape Architects</td>
<td>6.5 HSW Contact Hours</td>
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<tr>
<td>6.5 LA/CES HSW PDHs</td>
<td>6.5 AIA LU</td>
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Construction Contractors

Non-Credit Continuing Ed.

Soil Mechanics, Bearing Capacity and Slope Stabilization

Columbus, OH - Tuesday, March 17, 2020

Explore soil investigation procedures

Review hydraulic and mechanical properties of soils and learn about stress and failure soils

Examine the bearing capacity of shallow foundations, piers and piles

Understand slope failures and the impact of surface and groundwater

Compare slope stabilization methods, such as unloading and draining
Seminar Information

Continuing Education Credit Information

This live lecture presentation is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects in all states and 6.5 HSW contact hours to landscape architects in most states, including Ohio. Educators and courses are not subject to prior approval in Ohio. This seminar is approved by the American Institute of Architects Continuing Education System for 6.5 LU|HSW (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Visit www.halfmoonseminars.org for complete AIA|CES information under this course listing. Only full attendance is reportable to the AIA/CES and LA/CES. This seminar is approved by the American Institute of Architects for up to 6.5 PDCs. It has not been approved by any state landscape architects in New York.

Additional Learning

Webinar Series

Foundations in Cold Regions
• Introduction to Foundations in Cold Regions
  • Thurs., Feb. 20, 2020, 11:00 AM - 1:00 PM CST
• Shallow Foundation Design in Cold Regions
  • Thurs., Feb. 20, 2020, 1:30 - 2:30 PM CST
• Deep Foundation Design in Cold Regions
  • Fri., Feb. 21, 2020, 11:00 AM - 1:30 PM CST
• Foundation Construction in Cold Regions
  • Fri., Feb. 20, 2020, 10:00 - 12:00 PM CST

Soil Mechanics and Slope Stability
• Soil Investigation and Classification
  • Tues., Feb. 25, 2020, 11:00 AM - 1:00 PM CST
• Reviewing Hydraulic and Mechanical Properties of Soils
  • Tues., Feb. 25, 2020, 1:30 - 5:00 PM CST
• Determining and Increasing Bearing Capacity
  • Wed., Feb. 26, 2020, 11:00 AM - 1:00 PM CST
• Determining and Increasing Slope Stability
  • Wed., Feb. 26, 2020, 3:30 - 5:00 PM CST

Designing for Climate Resilience
• Current and Anticipated Climate Effects on Structures and Communities
  • Thurs., Feb. 27, 2020, 11:00 AM - 1:30 PM CST
• Assessing the Impact of Sea Level Rise, Changing Temperature and Changing Weather Patterns
  • Thurs., Feb. 27, 2020, 10:00 - 12:00 PM CST
• Studying the Impact of Extreme Weather Events on Structures and Communities
  • Fri., Feb. 28, 2020, 11:00 AM - 12:30 PM CST
• Adapting Sites, Outdoor Spaces, New Construction and Existing Buildings to Withstand Extreme Weather Events
  • Fri., Feb. 28, 2020, 1:00 - 3:00 PM CST

Registration

Soil Mechanics, Bearing Capacity and Slope Stabilization

Columbus, OH - Tuesday, March 17, 2020

How to Register

Online: www.halfmoonseminars.org
Phone: 715-855-5900
Fax: Code: 715-835-6066
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278

Complete the entire form. Attach duplicates if necessary.

If you need special accommodations, please contact me.

Tuition

• I will be attending the live seminar. Single Registrant - $299.00. Three or more registrants from the same company registering at the same time - $279.00 each.
• I am not attending. Please send me the self-study package:
  - USB/Manual Package for $299.00
  - Downloadable MP3 Audio/PDF Manual for $279.00

Checks: Make payable to HalfMoon Education Inc.

Credit Card: Mastercard, Visa, American Express, or Discover

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