

Agenda

Presented by John Palmer

The Scientific, Economic, and Aesthetic Benefits of Trees

- | | |
|-------------------|------------------------|
| Physical benefits | Environmental benefits |
| Social benefits | Health benefits |
| Economic benefits | |

If Trees Could Talk – The Secrets of Healthy, Mature Trees

- | | | |
|---------------------|-----------------------|--------|
| Biology and anatomy | | |
| Soil | Roots | Oxygen |
| Stress | Native vs. non-native | |

Trees Are Infrastructure: Design Elements That Appreciate

- | | |
|--------------------------|---------------------|
| Placement and value | Benefits |
| Deforestation By Design™ | |
| Structural cells | Planning vs. design |
| After the job | |

Trees And Site Requirements: Always At Odds?

- Compaction and proctor density
- The brown infrastructure
- Screened soils: the silent killer
- Root myths
- Avoidable conflicts

Trees That Outlive Designs: After The Project Is Finished

- | | |
|------------------|------------------|
| Trees in teacups | Lifespan |
| Soil volume | Increasing value |
| Proper structure | |

Threats To Trees

- | | |
|------------------------|-------------------------|
| Biotic and abiotic | Neglect |
| An ounce of prevention | Computer modeling risks |

Can't Attend? Order the Manual and Audio from the Live Seminar as a Self-Study Package!

Audio recordings of this seminar are available for purchase starting at \$269. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

The Tree Course:

Science, Design, and Sustainability

East Lansing, MI - Friday, December 20, 2019



HalfMoon Education Inc.
PO Box 278
Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

Review the benefits of trees in the built environment, including environmental benefits, physical benefits, economic benefits and health benefits.

Discuss the requirements for healthy trees, including suitable soils, good root structure, appropriate environment and minimal stress.

Identify common site conditions that challenge the survival and success of trees.

Understand common threats to trees, including environmental factors, diseases, pests, and neglect, and learn strategies for preventing these threats from harming trees.



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Learn about the scientific, economic, and aesthetic benefits of trees

Understand how biology, soil, oxygen, stress and other factors impact trees

Consider design elements that incorporate new trees plantings and design elements that preserve trees

Continuing Education Credits

Professional Engineers
6.5 Continuing Ed. Hours

Architects & Landscape Architects
6.5 HSW Continuing Ed. Hours
6.5 AIA LU|HSW
6.5 LA/CES HSW PDHs

Understand long term design impacts (sustainability, increased canopy) that add value beyond building project lifespan

Review threats to trees and learn how to prevent these threats from damaging trees

International Society of Arboriculture
6.5 Certified Arborist CEUs
(see more inside)



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AIA
Continuing
Education
Provider

Faculty

John Palmer *PlanetCare Landscape and Arboricultural Services - Lakewood, OH*

Mr. Palmer is a consulting arborist, certified by the International Society of Arboriculture, and an advanced tree risk assessor. He is an author, speaker, and trainer on subjects including *The Future of Urban Forestry*, *Deforestation By Design™*, *The New Construction Paradigm*, and *The Leadership Laws of Nature*. His focus is on promoting trees in urban and construction environments, understanding soil deficiencies and the importance of soils for sustainable mature trees, increasing urban tree canopies by ensuring trees live to maturity, and avoiding unsustainable landscape designs. His areas of expertise include young tree training, proper pruning and planting practices, biomechanics, soil and water management, urban forestry, tree biology, and healthy root system development.

Here’s what past attendees had to say about the program and presenter John Palmer:

- “Great speaker—dynamic & passionate about trees & tree science.” — *Architect*
- “Excellent presentation & content.
I especially appreciated all of the references in the material.” — *Civil Engineer*
- “Very impressed with course and presenter!” — *Environmental Engineer*

Seminar Information

Marriott at University Place 300 Michigan Agricultural College Ave East Lansing, MI 48823 (517) 337-4440	Registration 8:00 - 8:30 am	Lunch (On your own) 12:15 - 1:15 pm
	Morning Session 8:30 am - 12:15 pm	Afternoon Session 1:15 - 4:30 pm

Tuition

\$289 for individual registration

\$269 for three or more simultaneous registrations.

Included with your registration:
Complimentary continental breakfast and printed seminar manual.

Receive a reduced tuition rate of \$101 by registering to be our on-site coordinator for the day. For availability and job description, please visit www.halfmoonseminars.org.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Cancel at least 48 hours before the start of the seminar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar or the self-study package. You may also send another person to take your place.

Additional Learning

- Webinar Series**
- Structural Forensic Engineering**
- **Introduction to the Forensic Engineering Process**
Tues., Nov. 12, 2019, 11:00 AM - 1:00 PM CST
 - **Causes of Failures and the Forensic Engineering Report**
Tues., Nov. 12, 2019, 1:30 - 3:30 PM CST
 - **Forensic Examination of Structures and Use in Litigation**
Wed., Nov. 13, 2019, 11:00 AM - 1:00 PM CST

- Stormwater Management Systems**
- **Basics of Stormwater Regulations and Requirements, Including EPA Regulations**
Wed., Nov. 20, 2019, 11:00 AM - 12:00 PM CST
 - **Site Planning and Choosing Best Stormwater Management Practices**
Wed., Nov. 20, 2019, 12:30 - 2:00 PM CST

- **Working with the MS4 Regulator**
Thurs., Nov. 21, 2019, 11:00 AM - 12:00 PM CST
- **Long-Term Stormwater Management Practices**
Thurs., Nov. 21, 2019, 12:30 - 2:00 PM CST

- Cogeneration System Principles and Practice**
- **Understanding the Benefits of Cogeneration**
Thurs., Nov. 21, 2019, 11:00 AM - 12:30 PM CST
 - **Laws, Regulations and Building Codes Impacting Cogeneration**
Thurs., Nov. 21, 2019, 1:00 - 2:30 PM CST
 - **Examining Cogeneration Technologies**
Fri., Nov. 22, 2019, 11:00 AM - 12:30 PM CST
 - **Moving to Cogeneration: Analysis, Modeling and Case Studies**
Fri., Nov. 22, 2019, 1:00 - 2:30 PM CST

For more information and other online learning opportunities visit:
www.halfmoonseminars.org/webinars/

Continuing Education Credit Information

This seminar is open to the public and offers 6.5 PDHs to professional engineers and 6.5 HSW continuing education hours to architects and landscape architects in most states, including Michigan architects and engineers. Educators and courses are not subject to pre-approval in Michigan.

This course has been approved by the American Institute of Architects Continuing Education System for 6.5 LU|HSW (Provider No. J885) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to LA/CES and AIA/CES. Visit www.halfmoonseminars.org for complete AIA/CES information under this course listing.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York engineers, architects and landscape architects.

The International Association of Arboriculture has approved this course for the following CEUs: 6.5 Certified Arborist, Municipal Specialist, 5.75 Climber Specialist, Aerial Lift, Utility Specialist, 3.25 BCMA Management, 2.0 BCMA Science, and 1.25 BCMA Practice.

This seminar offers a non-credit continuing education opportunity to construction contractors. It has not been approved by any contractor licensing entity with a continuing education requirement.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Registration

The Tree Course: Science, Design, and Sustainability

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How to Register	Registrant Information
Online: www.halfmoonseminars.org	Name: _____ Company/Firm: _____ Address: _____ City: _____ State: _____ Zip: _____ Occupation: _____ Email: _____ Phone: _____
Phone: 715-835-5900	Additional Registrants: Name: _____ Occupation: _____ Email: _____ Phone: _____
Fax: 715-835-6066	Code:
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
Complete the entire form. Attach duplicates if necessary.	
Email address is required for credit card receipt, program changes, and notification of upcoming seminars and products. Your email will not be sold or transferred.	
() I need special accommodations. Please contact me.	

Tuition

() **I will be attending the live seminar.** Single Registrant - **\$289.00**. Three or more registrants from the same company registering at the same time - **\$269.00** each.

() **I am not attending.** Please send me the self-study package:

☐ Downloadable MP3 Audio/PDF Manual for **\$269.00**.

☐ CD/Manual Package for **\$289.00**. ☐ USB/Manual Package **\$289.00**. (S&H included. Please allow five weeks from seminar date for delivery)

Checks: Make payable to HalfMoon Education Inc.

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

Credit Card Number: _____

Expiration Date: _____ CVV2 Code: _____

Cardholder Name: _____

Billing Address: _____

City: _____ State: _____ Zip: _____

Signature: _____

Email: _____