

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 the Audio from the Live Seminar as a Self-Study Package!

An audio recording of this seminar is available for \$289. Allow four weeks from the seminar date for delivery. 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**
Ann Arbor, MI - Friday, February 22, 2019



Halfmoon Education Inc.
PO BOX 278
Altoona, WI 54720-0278

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Learning Objectives

You'll be able to:

Identify the social, economic and health benefits of trees.

Explore the effects of using native versus non-native trees in design.

Consider tree placement and the lifespan of trees when designing sites.

Understand root myths and learn how compaction can effect trees.

Evaluate strategies for achieving balance between the tree environment and construction site goals.

Learn about protecting trees from threats to their health.



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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

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

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

Continuing Education Credits

Professional Engineers

6.5 Continuing Ed. Hours

Architects &

Landscape Architects

6.5 HSW Continuing Ed. Hours

6.5 LA CES HSW PDHs

6.5 AIA HSW Learning Units

International Society of Arboriculture

6.5 CEUs: Arborists and Municipal

3.5 CEUs: BCMA Science

3.0 BCMA Practice

Society of American Foresters

4.5 Category 1 CFE Credits



HalfMoon Education Inc.
WWW.HALFMOONSEMINARS.ORG



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 trees in urban and construction environments, soil deficiencies and the importance of soils for sustainable mature trees, increasing urban tree canopies by ensuring trees live to maturity, and 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*

Seminar Information

Courtyard by Marriott Ann Arbor

3205 Boardwalk Drive
Ann Arbor, MI 48108
(734) 995-5900

Registration	Lunch (On your own)
8:00 - 8:30 am	12:15 - 1:15 pm
Morning Session	Afternoon Session
8:30 am - 12:15 pm	1:15 - 4:30 pm

Tuition

\$279 for individual registration
\$259 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.

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Additional Learning

Webinar Series

Pumping and Piping Systems

- **Introduction to Pumps: Operation, Principles and Calculations**

Thurs., Jan. 24, 2019, 12:00 - 2:00 PM CST

- **Design Standards and Codes**

Thurs., Jan. 24, 2019, 2:30 - 3:30 PM CST

- **Piping System Components, Materials and Calculations**

Fri., Jan. 25, 2019, 12:00 - 2:00 PM CST

- **Handling Pump and Piping System Problems**

Fri., Jan. 25, 2019, 2:30 - 3:30 PM CST

Off-Grid Master Class

- **Off-Grid Master Class, Part I**

Wed., Feb. 6, 2019, 11:00 AM - 2:15 PM CST

- **Off-Grid Master Class, Part II**

Thurs., Feb. 7, 2019, 11:00 AM - 2:15 PM CST

For more information 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 for 6.5 HSW Learning Units (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.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is deemed an approved continuing education sponsor for New York architects and landscape architects.

The Michigan Chapter of the International Society of Arboriculture has approved this course for 6.5 CEUs for Arborist and Municipal, 3.5 CEUs for BCMA Science, and 3.0 CEUs for BCMA Practice.

The Society of American Foresters has approved this event for 4.5 Category 1 CFE Credits.

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.

Complying with ADA Standards for Accessible Design

- **Complying with Federal and State Accessibility Requirements**

Thurs., Feb. 7, 2019, 11:00 AM - 1:30 PM CST

- **Meeting Requirements in IBC and ADA Standards**

Fri., Feb. 8, 2019, 11:00 AM - 1:30 PM CST

Special Inspections

- **Introduction to Chapter 17: Special Inspections**

Wed., Feb. 13, 2019, 11:00 AM - 12:30 PM CST

- **Soils and Foundations**

Wed., Feb. 13, 2019, 1:00 - 2:30 PM CST

- **Reinforced Concrete and Structural Steel**

Thurs., Feb. 14, 2019, 11:00 AM - 12:30 PM CST

- **ACT Ceiling Grid, Epoxy Anchors, and Fire Penetrations**

Thurs., Feb. 14, 2019, 1:00 - 2:30 PM CST

Registration

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How to Register		Registrant Information	
Online: www.halfmoonseminars.org		Name: _____	
Phone: 715-835-5900		Company/Firm: _____	
Fax: 715-835-6066		Address: _____	
Code:		City: _____ State: _____ Zip: _____	
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278		Occupation: _____	
Complete the entire form. Attach duplicates if necessary.		Email: _____	
		Phone: _____	
		Name: _____	
		Occupation: _____	
		Email: _____	
		Phone: _____	
		Name: _____	
		Occupation: _____	
		Email: _____	
		Phone: _____	
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 - **\$279.00**. Three or more registrants from the same company registering at the same time - **\$259.00** each.

() **I am not attending.** Please send me the self-study package for **\$289.00**.

Downloadable MP3 Audio/PDF Manual

CD/Manual Package

(Please allow four 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: _____