

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 – palms, hardwoods, evergreens
- Soil, roots, oxygen
- Hydrology, water use and storage
- 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 (maintenance that kills)

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
- Mechanical behavior of palms

Threats To Trees

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

The Tree Course:
Science, Design, and Sustainability
Phoenix, AZ - Thursday, May 23, 2019

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



Learning Objectives

You'll be able to:

Identify the social, economic and health benefits of trees.

Explore using native versus non-native trees in design.

Understand root myths and how compaction can affect trees.

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

Learn about threats to the health of trees, and get tips on maintaining tree health.



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The Tree Course: Science, Design, and Sustainability

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Learn about the social, economic, and aesthetic benefits of trees in arid regions

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

Consider how hydrology, water use and storage are integral to plantings in arid regions

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 PDHs

Architects

6.5 HSW Continuing Ed. Hours

6.5 AIA HSW Learning Units

Landscape Architects

6.5 LA/CES HSW PDHs

Arborists

6.5 Continuing Education Hours

Contractors

6.5 Continuing Ed. Hours



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

Phoenix Airport Marriott	Registration	Lunch (On your own)
1101 N 44th Street	8:00 - 8:30 am	12:15 - 1:15 pm
Phoenix, AZ 85008	Morning Session	Afternoon Session
(602) 273-7373	8:30 am - 12:15 pm	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.

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.

Additional Learning

Webinar Series

Off-Grid Master Class

- **Off-Grid Master Class, Part I**
Wed., April 17, 2019, 11:00 AM - 2:15 PM CDT
- **Off-Grid Master Class, Part II**
Thur., April 18, 2019, 11:00 - 2:15 PM CDT

Soil Engineering

- **Introduction to Soil Engineering**
Thurs., April 25, 2019, 11:00 AM - 12:30 PM CDT
- **Design of Excavation Support Systems**
Thurs., April 25, 2019, 1:00 - 2:30 PM CDT
- **Slope Repair Techniques**
Fri., April 26, 2019, 11:00 AM - 12:30 PM CDT
- **Soil Engineering after College: Practical Approaches to Foundations and Retaining Structures**
Fri., April 26, 2019, 1:00 - 2:30 PM CDT

Current Issues in Schoolyard Landscape Architecture

- **Current Issues in Schoolyard Landscape Architecture: Part 1**
Wed., April 24, 2019, 11:00 AM - 2:30 PM CDT
- **Current Issues in Schoolyard Landscape Architecture: Part 2**
Thurs., April 25, 2019, 11:00 AM - 2:30 PM CDT

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 a professional enrichment opportunity to Arizona architects, landscape architects, and engineers. It will qualify for 6.5 HSW continuing education hours for architects and 6.5 PDHs for professional engineers in other states with continuing education requirements.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. J885) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/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.

This course offers a 6.5 hour continuing education opportunity to arborists. HalfMoon Education has applied for course approval from the International Society of Arboriculture. No response has been received.

This program offers a continuing education opportunity to construction contractors. It has not been approved by any contractor licensing board for mandatory continuing education credit.

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

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How to Register	
Online: www.halfmoonseminars.org	
Phone: 715-835-5900	
Fax: 715-835-6066	Code:
Mail: HalfMoon Education Inc., PO Box 278, Altoona, WI 54720-0278	
Complete the entire form. Attach duplicates if necessary.	
Registrant Information Name: _____ Company/Firm: _____ Address: _____ City:_____State: _____ Zip_____ Occupation: _____ Email: _____ Phone: _____ Additional Registrants: 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 - \$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 . (S&H included. Please allow five weeks from seminar date for delivery)
Checks: Make payable to HalfMoon Education Inc.
Credit Card: <i>Mastercard, Visa, American Express, or Discover</i>
Credit Card Number: _____
Expiration Date: _____ CVV2 Code: _____
Cardholder Name: _____
Billing Address: _____
City:_____ State:_____ Zip: _____
Signature: _____
Email: _____