

Agenda

Presented by John Palmer, BCMA

Soils

- Compaction – the destroyer of soils
- Hydrology – keeping water where it needs to be
- Nutrients – increasing access to what plants need
- Care – ways to avoid damaging soil

Roots

- Structure – what are roots really like?
- Pruning - learn when to cut and not to cut
- Establishment – creating the optimum environment
- Defective – identifying, correcting, or rejecting poor structure

Biology

- Processes – discuss why trees do what they do
- Health – increasing vigor, longevity, and stability
- Responses – analyze how trees react
- CODIT – The fundamental biological process

Biomechanics

- Young tree training – the path to true sustainability
- Branch structure – right vs wrong, strong vs weak structures
- Risk – how to predict the future
- Thigmomorphogenesis – altering the growth pattern

Pruning

- Techniques – ways to perform “tree surgery”
- Restoration – helping trees recover
- Structural – creating safer, longer tree life
- Standards – research that informs practice

Deforestation By Design™

- Avoiding predictable failures
- Poor materials – caveat emptor: let the buyer beware
- Poor planning – what we want vs what trees need
- Poor planting – how to eliminate discredited techniques and practices

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The Arborist Short Course: Advanced Tree Knowledge for Better Tree Care

Live, Interactive Webinar - Friday, March 22, 2024

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



Learning Objectives

You'll be able to:

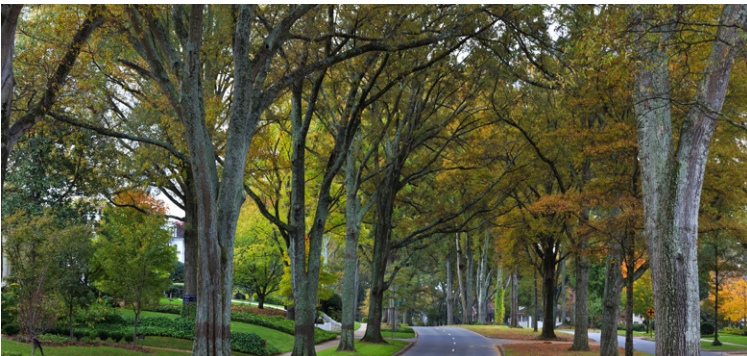
- Identify** proper ways to increase tree access to nutrients and hydration.
- Explore** ways to identify, correct, or reject poor root structure.
- Study** processes of tree biology to increase vigor, longevity, and stability.
- Understand** the path to true sustainability through young tree training.
- Evaluate** pruning techniques and ways to create safer, longer tree life.
- Learn** how to avoid predictable failures by identifying poor materials, planning, and planting.



HalfMoon Education Live Webinars

The Arborist Short Course: Advanced Tree Knowledge for Better Tree Care

Live, Interactive Webinar - Friday, March 22, 2024



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| Discuss new and updated data and research | Analyze tree biology including processes, health, and responses |
| Learn about complexities of soils | Examine the intricacies of pruning |
| Understand specifics of roots including structure, pruning, and establishment | Discuss biomechanics of trees |
| | Avoid predictable failures caused by poor planning and planting |

Continuing Education Credits

- | | |
|---|--|
| Professional Engineers
6.5 PDHs | Landscape Architects
6.5 HSW CE Hours
6.5 LA CES HSW PDHs |
| Architects
6.5 HSW CE Hours
6.5 AIA LU HSW | Certified Arborists
6.5 ISA CEUs |
| | Foresters:
Up to 6.5 CFE Credits* |



Webinar Information

Log into Webinar 8:30 - 9:00 am CDT	Break 12:45 - 1:15 pm CDT
Morning Session 9:00 am - 12:45 pm CDT	Afternoon Session 1:15 - 4:30 pm CDT

Tuition
\$319 for individual registration.
\$289 for two or more registrants from the same company at the same time.
***Included with your registration:** PDF seminar manual.*

How to Register

- Visit us online at www.halfmoonseminars.org
- Call customer service at 715-835-5900

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Faculty

John Palmer, BCMA
Board Certified Master Arborist and Advanced Tree Risk Assessor from Cleveland, OH
Mr. Palmer is a Consulting Arborist, Board Certified Master Arborist 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 presenter John Palmer:

"Very good. Very useful. I will change some of what I have been doing based on what I have learned from this webinar." – Civil Engineer

"John is one of two presenters in the last 30 years who has held my interest throughout an entire all day program." – Architect

Additional Learning

- Pruniversity: The Short Course on Pruning and Training Trees**
 - Friday, February 23, 2024 | 9:00 am - 4:30 pm CST
- Slope Stabilization and Landslide Prevention**
 - Friday, February 23, 2024 | 9:00 am - 4:30 pm CST
- Storm Sewer, Sanitary Sewer, and Natural Gas Systems Design for Non-Plumbing Professionals**
 - Friday, February 23, 2024 | 10:00 am - 1:30 pm CST
- Focus on Volatile Organic Compounds (VOCs)**
 - Monday, February 26, 2024 | 2:00 - 4:00 pm CST
- Learn about Remote Pilot Training and Certification**
 - Tuesday, February 27, 2024 | 9:00 am - 1:45 pm CST
 - Wednesday, February 28, 2024 | 9:00 am - 1:45 pm CST
- Dam Design, Construction, and Maintenance**
 - Thursday, February 29, 2024 | 9:00 am - 4:30 pm CST
- Trails and Greenways Design, Construction, and Management**
 - Thursday, February 29, 2024 | 9:00 am - 4:00 pm CST
- NPDES Stormwater Management Program 2024**
 - Thursday, March 7, 2024 | 8:30 am - 4:00 pm CST

For more information and other online learning opportunities visit:
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Credit Information

This webinar is open to the public and is designed to qualify for 6.5 PDHs for professional engineers, 6.5 HSW continuing education hours for licensed architects, and 6.5 HSW continuing education hours for landscape architects in all states that allow this learning method. Please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider No. 0004647), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GP00000700), and North Carolina (S-0130). HalfMoon Education is deemed an approved continuing education sponsor for New York engineers, architects, and landscape architects via its registration with the American Institute of Architects Continuing Education System (Regulations of the Commissioner §68.14(i)(2), §69.6(i)(2), and §79-1.5(i)(2)).

The American Institute of Architects Continuing Education System has approved this course for 6.5 LU | HSW (Sponsor No. J885). Only full participation is reportable to the AIA/CES.

The Landscape Architecture Continuing Education System has approved this course for 6.5 HSW PDHs. Only full participation is reportable to the LA CES.

The International Society of Arboriculture has approved this course for the following CEUs: 6.5 Certified Arborist, Climber Specialist, Utility Specialist, Municipal Specialist, Aerial Lift; 2.5 BCMA Practice; 2.0 BCMA Science, BCMA Management.

*Foresters may be able to earn up to 6.5 Category 1 CFE credits through the CFE post-approval process with the Society of American Foresters (SAF). Credit determination will be made by SAF.

Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).

On-Demand Credits
The preceding credit information only applies to the live presentation. This course in an on-demand format may not be eligible for the same credits as the live presentation; please consult your licensing board(s) to ensure that a structured, asynchronous learning format is appropriate. The following pre-approvals may be available for the on-demand format upon request:
6.5 HSW LUs (AIA), 6.5 HSW PDHs (LA CES)