The Tree Course: Science, Design, and Sustainability
Cincinnati, OH - Friday, February 1, 2019

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 tree plantings and design elements that preserve trees
Understand how long term design impacts (sustainability, increased canopy) can add value beyond the building project lifespan
Review threats to trees and learn how to prevent these threats from damaging trees

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.
Evaluate strategies for achieving balance between the tree environment and construction site goals.
Consider tree placement and the lifespan of trees when designing sites.
Discuss biotic and abiotic threats to trees, and learn how to protect trees.

Continuing Education Credits

Professional Engineers
6.5 CPD Hours/PDHs

Architects
6.5 HSW Continuing Ed. Hours
6.5 AIA HSW Learning Units

Landscape Architects
6.5 HSW Contact Hours
6.5 LA CES HSW PDHs

Foresters & Forestry Technicians
6.5 CFE Credits – Category 1

ISA – Ohio Chapter
Course Approved. CEUs Inside

ISA – Michigan Chapter
Applied For/Pending

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
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

The Tree Course:
Science, Design, and Sustainability
Cincinnati, OH - Friday, February 1, 2019

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 tree plantings and design elements that preserve trees
Understand how long term design impacts (sustainability, increased canopy) can add value beyond the building project lifespan
Review threats to trees and learn how to prevent these threats from damaging trees

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.
Evaluate strategies for achieving balance between the tree environment and construction site goals.
Consider tree placement and the lifespan of trees when designing sites.
Discuss biotic and abiotic threats to trees, and learn how to protect trees.

Continuing Education Credits

Professional Engineers
6.5 CPD Hours/PDHs

Architects
6.5 HSW Continuing Ed. Hours
6.5 AIA HSW Learning Units

Landscape Architects
6.5 HSW Contact Hours
6.5 LA CES HSW PDHs

Foresters & Forestry Technicians
6.5 CFE Credits – Category 1

ISA – Ohio Chapter
Course Approved. CEUs Inside

ISA – Michigan Chapter
Applied For/Pending

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
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
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

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, writing 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.

Seminar Information

Holiday Inn Eastgate (I-275E)

4501 Eastgate Blvd.
Cincinnati, OH 45245

(513) 752-4400

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

Wednesday, January 30, 2019

Morning Session: 8:00 - 11:00 am
Afternoon Session: 12:00 - 3:30 pm

The Tree Course: Science, Design, and Sustainability

Cincinnati, OH - Friday, February 1, 2019

The Tree Course: Science, Design, and Sustainability

Cincinnati, OH - Friday, February 1, 2019

Additional Learning

Webinar Series

Commercial Solar Peaker Batteries
• Commercial Solar Peaker Batteries, Part I
Weds, Jan. 9, 2019, 11:00 AM - 1:15 PM CST
• Commercial Solar Peaker Batteries, Part II
Thurs., Jan. 10, 2019, 11:00 AM - 2:15 PM CST

Proposed Writing
Fri., Jan. 11, 2019, 11:00 AM - 3:30 PM CST

Technical Writing
• Technical Writing Basics
Mon., Jan. 14, 2019, 11:00 AM - 1:00 PM CST
• Planning Documents
Mon., Jan. 14, 2019, 1:30 - 3:30 PM CST
• Writing Documents
Tues., Jan. 15, 2019, 11:00 AM - 1:00 PM CST
• Revising and Editing Documents
Tues., Jan. 15, 2019, 1:30 - 3:30 PM CST

Fiber-Reinforced Composites
• Portland Cement and Masonry
Thurs., Jan. 17, 2019, 11:00 AM - 1:00 PM CST
• Fiber-Reinforced Polymer (FRP) Composites Reinforcement
Fri., Jan. 18, 2019, 11:00 AM - 1:00 PM CST

Overview of Sandwich Materials and Structures
Fri., Jan. 18, 2019, 1:30 - 3:30 PM CST

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

Continuing Education Credit Information

This live lecture presentation is open to the public and offers 6.5 continuing professional development hours/CEUs to professional engineers and 6.5 HSW continuing education hours to architects in most states, including Ohio. This course offers 6.5 HSW contact hours to Ohio landscape architects. Educators and courses are not subject to preapproval in Ohio.

This seminar is approved by the American Institute of Architects for 6.5 HSW Learning Units (Sponsor No. 1888) and the Landscape Architecture Continuing Education System for 6.5 HSW PDHs. Only full attendance can be reported to the AIA/CES and LA/CE.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida, Indiana (License No. CE2100509), Maryland, New Jersey (Approval No. 24G0000070X), New York (NYSED Sponsor No. 35), North Carolina, and North Dakota. HalfMoon Education is an approved Florida architect continuing education provider and is deemed an approved continuing education sponsor for New York architects and landscape architects. The Ohio Chapter of the International Society of Arboriculture has approved this course for 6.5 CEUs in the certification types of Certified Arborist, Municipal Specialist, and BCMA-Practice, 5.0 CEUs for BCMA-Management, and 1.5 CEUs in BCMA-Science. Course approval is pending from the Michigan Chapter of the ISA and the Society of American Foresters. Current course approval information is available at www.halfmoonseminars.org.

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.

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

A full recording of this seminar is available for $289, which includes shipping and handling. This learning method does not qualify for the continuing education credit for Ohio engineers, architects, landscape architects, ISA members, or SAF members. Please allow four weeks from the seminar date for delivery.