

Agenda

Presented by Michael A. Liptak, Ph.D.

Introduction to Restoration

What is ecological restoration?
Types of restoration- active vs. passive
ADIM - assess, design, implement, monitor/manage
Setting restoration goals
Assessment

Design - Site Evaluation and Project Planning

SMART goal setting
Project objectives
Monitoring criteria
Reference communities
Designing in a changing world
Designing with nature, not against it
Considerations for urban environments
Humans and the natural environment

Implementation

Construction considerations
Environmental permitting and regulatory processes

Monitoring and Adaptive Management

Monitoring techniques
Success criteria
Long-term site management
Invasive species control
The role of fire in ecosystem management

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Restoration of Natural Habitats: Including Prairies, Wetlands and Forests

Live, Interactive Webinar - Thursday, June 18, 2020

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Learning Objectives

You'll be able to:

Define ecological restoration and distinguish between active restoration and passive restoration of project sites.

Describe the habitat restoration process, including site evaluation, setting project objectives, and designing with nature – not against it.

Incorporate natural habitat elements into urban environments and into construction projects.

Review environmental permitting and regulatory processes.

Discuss methods of monitoring and managing natural restoration efforts to assure long-term success.



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You know HalfMoon Education from our live, local seminars. Now get that same Ohio-specific content in an interactive, online format.

Explore ecological restoration and **learn** to set restoration goals

Discuss site evaluation and project planning of the restoration process

Consider restoration for urban environments

Examine environmental permitting and the regulatory process for restoration of natural habitats

Identify the role of fire in ecosystem management

Review techniques for monitoring progress and managing sites for the long term

Continuing Education Credits

Professional Engineers

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6.5 AIA LU|HSW

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Certified Arborists

6.5 ISA CEUs (more inside)



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Faculty



Michael A. Liptak, Ph.D.
EnviroScience, Inc., Northeast Headquarters, Stow, Ohio

Dr. Liptak is a member of the ecological survey team where he specializes in rare plant surveys, wetlands ecology, wetland restoration, and mitigation wetland design. He earned his Ph.D. degree at The Ohio State University under the noted wetland ecologist Dr. William Mitsch, and completed his graduate research on the created wetlands at the Olentangy River Wetland Research Park in Columbus. Dr. Liptak has over 15 years of experience in wetlands research and ecological consulting and is a Certified Senior Ecologist (Ecological Society of America). His main responsibilities at EnviroScience include rare plant surveys, wetland restoration planning, wetland assessments and delineations, technical report preparation and permitting. Dr. Liptak has experience in preparing mitigation plans for many different projects, including wetland creation, restoration and enhancement, as well as preparing upland restoration and prairie planting plans. He has extensive experience with terrestrial, aquatic and wetland surveys for projects of all sizes. Dr. Liptak is a pre-qualified consultant certified to complete aquatic and terrestrial ecological surveys, wetland delineations, waterways permitting, and wetland mitigation design for Ohio Department of Transportation (ODOT) projects. He is a member of the Society of Wetlands Scientists and the Ecological Society of America. Dr. Liptak regularly gives seminars on ecological issues and regulations within the state of Ohio.

Here’s what past attendees had to say about the program and presenter Michael Liptak:
“Best seminar I’ve taken!” — *Engineer* “Very engaging seminar.” — *Landscape Architect*
“Fun, informative, accessible, practical.” — *Sales Representative*

Webinar Information

Log into Webinar
8:00 - 8:30 am EDT

Morning Session
8:30 - 11:40 am EDT

Break
11:40 am - 12:10 pm EDT

Afternoon Session
12:10 - 3:50 pm EDT

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Structural Design Loads Under the ASCE 7 Standard

- Monday, May 18, 2020, 11:00 am – 2:30 pm CDT
- Tues., May 19, 2020, 11:00 am - 3:30 pm CDT

Practical Site Engineering: Science and Techniques

- Wed., May 20, 2020, 11:00 am - 3:15 pm CDT
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This live interactive webinar is open to the public and offers 6.5 continuing professional development hours/PDHs to professional engineers and 6.5 HSW continuing education hours to architects licensed in all states. This course offers 6.5 HSW contact hours to landscape architects in many states, including Ohio. Educators and courses are not subject to preapproval in Ohio.

This seminar is approved by the American Institute of Architects Continuing Education System for 6.5 LU|HSW (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.

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Participation will be monitored, and completion certificates will be available upon achieving full participation and 80% accuracy on the quiz (multiple attempts allowed) that follows the instructional period of the webinar.

Registration

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