

SPRING/SUMMER 2011

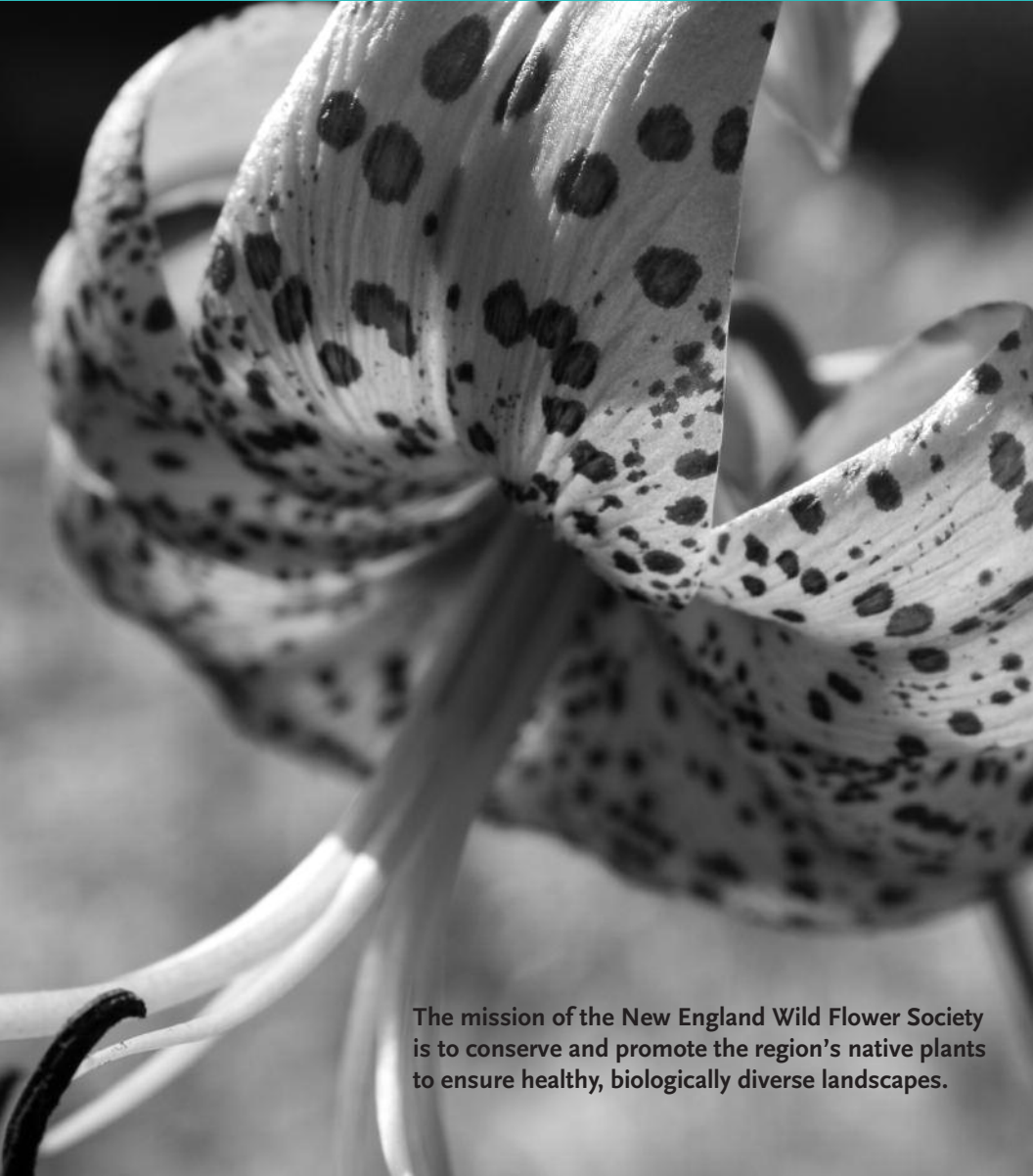
NEW ENGLAND
WILD
FLOWER
SOCIETY



learn+grow

MARCH 2011 • VOLUME 4, NUMBER 1

THE COURSE CATALOG OF NEW ENGLAND WILD FLOWER SOCIETY



The mission of the New England Wild Flower Society is to conserve and promote the region's native plants to ensure healthy, biologically diverse landscapes.

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ON THE COVER

Turk's-cap lily (*Lilium superbum*),
Dan Jaffe, Plant Sales
Coordinator, New England
Wild Flower Society



FROM THE EDUCATION DEPARTMENT

The Society's newly formulated mission is "to conserve and promote the region's native plants to ensure healthy, biologically diverse landscapes." Our new mission statement puts the focus on New England's native flora in both designed and natural settings. Look for the publication this spring of *Flora Novae Angliae* by the Society's research botanist Arthur Haines. This guide is destined to become the source for botanic reference in New England.

Within the pages of this catalog, you will find ample opportunities to examine both specific native species and healthy, biologically diverse landscapes in the company of inspiring instructors and like-minded fellow participants. You might even like to join Arthur Haines on a field trip in Maine taking the *Flora* to the field.

Whether you are a casual learner or a member of our Certificate in Native Plant Studies Program, join us in an exciting educational endeavor of your choice. Propagate your own native plants, design sustainable gardens, then plant, prune, and maintain them. Visit stunning gardens from the coast of Maine to the valleys of NH. If you yearn for natural wild settings, join a field trip to Mt. Eisenhower, explore a NH bog or hike through an old growth forest in western MA. Study grasses, ferns, wildflowers, framework trees or find new ways to enjoy sketching or photographing them.

The possibilities are endless!



Bonnie Drexler

Bonnie Drexler
Education Director

Lana Reed

Lana Reed
Registrar

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Editor: Steven Ziglar

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certificate program



ENROLL NOW!

Complete the certificate registration form on page 32 of this catalog or online at www.newenglandwild.org. Direct questions to Registrar at 508-877-7630, ext. 3303, or lreed@newenglandwild.org. There is a one-time certificate enrollment fee of \$30.

Classes in this catalog are open to all adults, regardless of certificate enrollment. Join the Society to receive discounts. See inside back cover.

CERTIFICATE CREDIT DESIGNATIONS

FB=Field Botany

Adv. FB=Advanced Field Botany

HD=Native Plant Horticulture & Design

Adv. HD=Advanced Native Plant Horticulture & Design

Some courses satisfy more than one requirement for example Elective-FB; Core-Adv. FB can be used as an elective for a certificate in Field Botany or as a Core requirement for a certificate in Advanced Field Botany.

Native Plant Studies

New England Wild Flower Society's Certificate in Native Plant Studies offers dedicated students a comprehensive series of programs in the identification, cultivation, ecology, and conservation of native New England plants. Participants proceed through the program at their own pace.

Students gain a greater appreciation and understanding of native plant habitats, common and rare species, conservation issues, and uses of native plants in horticulture and design. Certificate students engage in ongoing public and private efforts to preserve and restore native New England flora.

We offer four opportunities for concentrated study:

1. Certificate in Field Botany
2. Advanced Certificate in Field Botany
3. Certificate in Native Plant Horticulture and Design
4. Advanced Certificate in Native Plant Horticulture and Design

Each certificate requires completion of core courses, elective courses, field trips, and community service.

See www.newenglandwild.org/learn/certificate for details.

CERTIFICATE ORIENTATION

Join Bonnie Drexler, Education Director, and certificate program graduates for an illustrated talk that includes some of the fascinating stories that native plants have to tell, along with a look at the Society's efforts to conserve the region's native flora. Hear about the structure of the Society's Certificate in Native Plant Studies program and how it can guide your learning. Everyone is welcome at this free presentation. Preregistration is requested, but not required.

Thursday, April 7, 7-8:30 p.m.

Garden in the Woods, Framingham, MA

Course Code: CER8000

Limit: 20

northern gardening symposium

THE LIFE-LONG GARDEN

Saturday, April 9, 9 a.m.-2 p.m.

Cosponsored with the Fells, Hardy Plant Club, Friends of the Hort Farm and Master Gardeners

Three gardeners share their lifelong experience to help you plan, plant, and maintain spectacular native plant gardens over time. Well-known author Sydney Eddison discusses topics from her new book, *Gardening for a Lifetime*. Charlotte Albers, a Vermont landscape designer and educator, addresses designing with native plants and how they contribute to enduring landscapes. Ardent plantswoman Liz Krieg speaks on the enduring nature of rock gardens.

Vermont Technical College, Randolph Center

Course Code: SYM1002

Fee: \$47 (Member) / \$53 (Nonmember)

Includes cafeteria lunch, symposium packet, and free parking. Member fee applies to members of any of the cosponsoring organizations.

More information about the speakers and registration options at www.newenglandwild.org/learn

horticulture & gardening

RESIDENTIAL LANDSCAPE DESIGN

In this multi-session course appropriate for beginners, learn different aspects of the landscape design process with special emphasis on native plants in the residential landscape. Workshop sessions focus on design methods using site analysis techniques and schematic design tools. Consulting with the instructor, work on a project of your own choosing. Interspersed with design work, lectures focus on plants and habitats, including information on plant choice and placement in the landscape. A list of required materials will be discussed at the first class.

Choose one of two sections:

Fee: \$190 (Member) / \$235 (Nonmember)

Limit: 12 **Credit:** Core-HD; Elective-all certificates

**Saturdays, March 19, 26, April 2, 9, 16,
9:30-12:30 p.m.**

Hitchcock Center, Amherst, MA

Course Code: HOR4004

Instructor: Melinda Reid, landscape designer, former partner, Little and Reid, Innovative Gardens

Cosponsor: Hitchcock Center

**Thursdays, March 31, April 7, 14, 21,
28, May 5, and 12, 5:45-7:45 p.m.**

Cambridge, MA

Course Code: HOR4002

Instructor: Karen Sebastian, principal, Karen Sebastian, LLC, Landscape Architecture

Cosponsor: Cambridge Center for Adult Education

horticulture & gardening

WATER 101- WHEN IS ENOUGH NOT ENOUGH?

Massachusetts is blessed with relatively abundant precipitation (an average of 45 inches/year) leading many residents to the erroneous belief that there's plenty of "surplus" water available for human consumption at any time and for any purpose. Russ Cohen of the Mass. Department of Ecological Restoration clues us into why our water supply is not sufficient to support our ecosystem, how human activities – both historically and today – adversely affect our river and stream systems, and what potential solutions are available to mitigate these impacts. Hear about best management practices like rain gardens and green roofs while getting an overview of eastern MA hydrology, present and future.

Monday, March 21, coffee 10:30 a.m., program 11 a.m.-12:30 p.m.

Science Center, Wellesley College

Course Code: HOR4056

Instructor: Russ Cohen, MA Department of Ecological Restoration

Fee: \$10 (Member) / \$15 (Nonmember)

Cosponsors: Wellesley Friends of Horticulture, Arnold Arboretum of Harvard University, Garden Club of the Back Bay



GO TROPICAL WITH NEW ENGLAND NATIVES

New England natives that feel tropical? It's true! Take a break from the season's chill with this survey of plants sure to bring a taste of the tropics into your garden. Not only are these hot plants native, they come in a range of shapes and sizes, from trees to shrubs to perennials, and grow in all kinds of places. This course is bound to brighten a late winter's day, and one or two of these natives are bound to find a home in your garden.

Wednesday, March 23, 6:30-8:00 p.m.

Garden in the Woods, Framingham, MA

Course Code: HOR4910

Instructor: Andrew Keyes, garden designer

Fee: \$18 (Member) / \$22 (Nonmember)

Limit: 16 **Credit:** Elective-HD/Adv. HD

PRUNING SHRUBS WITH THE PROS

Early spring is an excellent time to prune many woody plants. In this hands-on workshop, participants work in small groups for guided practice on woody members of the Garden's shrub collection. Discover ways to enhance a plant's vigor, health, and appearance and learn which tools to use, when to prune, and how the plant responds. Bring hand-pruners and dress for working outdoors, rain, snow, or shine.

Saturday, April 2, 1:30-4:30 p.m.

Garden in the Woods, Framingham, MA

Course Code: HOR3115

Instructor: Deborah Howe, landscape architect, principal of Lighthall Co.

Fee: \$36 (Member) / \$43 (Nonmember)

Limit: 15 **Credit:** Elective-HD/Adv. HD

horticulture & gardening

HIGH PLAINS ENVIRONMENTAL CENTER

Imagine starting from scratch to design and build a 3500-acre mixed-use development with environmental stewardship as a priority. Join the Director of this innovative operation in Loveland, Colorado to hear how developers and environmental stewards are working together to restore native plant communities, create storm-water ponds that replicate natural wetlands, and provide 275 acres of urban wildlife habitat. Learn about eco-literacy programs for local schools, demonstration gardens that promote the conservation and use of native plants and a large vegetable garden that provides more than 20,000 pounds of food to area food banks each year. Preregistration is requested, but not required.

Wednesday, April 13, 7:00-8:30 p.m.

Garden in the Woods, Framingham, MA

Course Code: HOR4501

Instructor: Jim Tolstrup, Executive Director, High Plains Environmental Center

Free lecture

BEGINNING BONSAI WITH NATIVE PLANTS

Have you ever admired the form of a venerable bonsai tree and wondered how it was created? Now is your chance to try your hand at creating a bonsai designed from native plant materials to take home and nurture for years to come. Learn all the basics to get you started with your own bonsai, including the application of moss, landscaping with rocks, and tips about bonsai care. All materials provided.

Wednesday, April 20, 10 a.m.-12:30 p.m.

Garden in the Woods, Framingham, MA

Course Code: HOR2957



Instructor: Glen Lord, Bonsai West staff

Fee: \$75 (Member) / \$90 (Nonmember) includes all materials

Limit: 12

Credit: Elective-HD/Adv.HD

Cosponsor: Bonsai West, Littleton, MA

NATIVE HERBACEOUS PLANT MATERIALS: EARLY SEASON

Many native North American herbaceous plants are suitable for growing in New England. This course examines the characteristics of horticulturally important native plants that grow and /or flower early in the season. We will look at how various species can be used in the designed landscape and see how knowing a plant's native habitat can make us better gardeners and designers. Each class will spend time both in the classroom and walking in the Garden. Designed for anyone wanting to work at a professional level with native plants, this course is also appropriate for the avid home gardener.

**Wednesdays, April 27, May 11, 12:30-4 p.m.,
May 25, 12:30-3:30 p.m.**

Garden in the Woods, Framingham, MA

Course Code: HOR1000

Instructor: Jessie Panek, landscape designer

Fee: \$142 (Member) / \$167 (Nonmember)

Limit: 15

Credit: Core-HD; Elective-all certificates

horticulture & gardening

LOW-MAINTENANCE DESIGN WITH NATIVE PLANTS

Lower your garden maintenance by using native plants and designing carefully. Learn how to design a unique garden space with strong connections to our spectacular New England landscape. In this interactive format, you are encouraged to bring your ideas, along with photographs, plans, or sketches of your own property. Landscape designer Owen Wormser helps you create enjoyable, low maintenance, and sustainable garden spaces while discovering important functional and aesthetic aspects of native plants.

Instructor: Owen Wormser, landscape designer, Abound: Landscape Solutions
Fee: \$36 (Member) / \$43 (Nonmember)
Limit: 15 **Credit:** Elective-HD/Adv.HD

Choose one of two sections:

Wednesday, April 27, 10 a.m.-1 p.m.

Garden in the Woods, Framingham, MA

Course Code: HOR4044

Cosponsor: MA Audubon Drumlin Farm

Saturday, April 30, 9:30 a.m.-12:30 p.m.

Nasami Farm, Whately, MA

Course Code: HOR4045

Sponsor: Hitchcock Center

NATIVE WOODY PLANT MATERIALS

A large variety of locally native trees, shrubs, and woody vines are now available in the trade, and many are superior choices for planting in the New England landscape. This course surveys the horticultural features of native woody plants, with attention to wild-type species as well as cultivars with outstanding characteristics. Information on flowering time, growth habits, cold hardiness, special requirements, and design considerations is presented. Designed for anyone wanting to work at a professional level with native plants, the course is also appropriate

for the avid home gardener. Lectures include a look at the collection at Garden in the Woods, Framingham, MA and a field trip to the Arnold Arboretum.

Wednesdays, May 4, 11, 10 a.m.-3 p.m.

Garden in the Woods, Framingham, MA

Course Code: HOR1100

Instructor: Bill Cullina, Plant and Garden Curator, Coastal ME Botanical Gardens

Fee: \$142 (Member) / \$167 (Nonmember)

Limit: 20 **Credit:** Core HD; elective-all certificates

Cosponsor: Arnold Arboretum of Harvard University

NO CHILD LEFT INSIDE

"Time in nature is not leisure time; it's an essential investment in our children's health."

Author Richard Louv, in his book *Last Child in the Woods*, inspires us to provide lush natural environments that support all aspects of healthy child development. Learn how to put your gardening and design knowledge to work to create and enhance outdoor environments where children can be engaged, amazed, and curious problem solvers as they explore the secrets of the natural world. In this interactive workshop, hear the latest research and see examples that show native plant gardens that work well for children. Case studies illustrate many imaginative concepts to apply at home or school as a parent, grandparent, teacher, or volunteer working with children. Ginny's new book, *Lens on Outdoor Learning*, available at a discount to participants.

Saturday, May 7, 10-11:30 a.m.

Garden in the Woods, Framingham, MA

Course Code: HOR4806

Instructors: Ruth Parnell and Ginny Sullivan, principals, Learning by the Yard

Fee: \$18 (Member) / \$22 (Nonmember)

Limit: 20 **Credit:** Elective-HD/Adv.HD

Cosponsor: Tower Hill Botanic Gardens

horticulture & gardening

MULTIPLYING YOUR STOCK: TIPS FOR DIVIDING AND TRANS- PLANTING NATIVE PLANTS

Discover ways to “grow your investment” using your own garden plantings. After a brief discussion of plant physiology, explore various methods of vegetation propagation such as stem and root cuttings, rhizome notching, and divisions of existing clumps. Using the stockbeds at Garden in the Woods as a laboratory, learn techniques that can be applied to your home garden with species such as *Trillium*, *Cypripedium*, *Polygonatum* and more. Make divisions of mayapple rhizomes to take home. All materials provided, but feel free to bring your favorite trowels, hand spades, or other garden tools.

Monday, May 16, 10 a.m.-12:30 p.m.

Garden in the Woods, Framingham, MA

Course Code: HOR3301

Instructor: Dan Jaffe, Plant Sales
Coordinator/Stockbed Manager, New
England Wild Flower Society

Fee: \$36 (Member) / \$43 (Nonmember)

Limit: 15 **Credit:** Elective-HD/ Adv. HD



NATURAL PEST CONTROL

Learn how to apply natural or “organic” pest control techniques and products in this wide-ranging workshop. The class provides information on a variety of insect pests, diseases, and weeds. Find out what control methods work and do not work in the home orchard, ornamental, and vegetable gardens. Feel free to bring sample pests and lots of questions. Leave the workshop with information to defend your landscape, using the most environmentally sensitive and effective products available today.

Saturday, May 21, 10 a.m.-12 noon

Nasami Farm, Whately, MA

Course Code: HOR3404

Instructor: Jim McSweeney, certified MA
Arborist and Horticulturist

Fee: \$24 (Member) / \$29 (Nonmember)

Limit: 16 **Credit:** Elective-HD/Adv.HD

Cosponsor: Hitchcock Center

THE BUZZ ON NATIVE BEES

With hundreds of species native to New England, bees are both diverse and essential to our natural and cultivated landscapes. Come and learn the basics of bee identification, ecology and conservation, and discover how to promote bee diversity in your own garden. Features hands-on study, observation in the lab, microscope work, and an outdoor field session in the Garden. Bring a bag lunch.

Monday, May 23, 10 a.m.-2 p.m.

Garden in the Woods, Framingham, MA

Course Code: HOR4257

Instructor: Tristram Seidler, PhD, ecologist

Fee: \$48 (Member) / \$58 (Nonmember)

Limit: 12

Credit: Elective-all certificates

horticulture & gardening

CONTAINER GARDENING WITH NATIVE PLANTS

Forget the petunias and potato vines; create container plantings using native perennials adapted to our New England environment. Container plantings add accents to your outdoor spaces whether large or small. Learn which natives are ideal for containers and how to combine them effectively. First, explore design elements, container and plant selection, lighting requirements, temperature, growing media, irrigation, fertilization, over-wintering, and long-term maintenance. Then assemble and plant your own container under the instructor's guidance. BYOC—bring your own container. (Containers available at a discount for the class at the Garden Shop at Garden in the Woods.) For both sections, the class fee includes potting mix, fertilizer and mulch for your container. Plants will be available for sale at a discount to class participants that day.

Fee: \$30 (Member) / \$36 (Nonmember)

Limit: 15 **Credit:** Elective-HD/Adv. HD

Choose one of two sections:

Thursday, June 9, 10 a.m.-12 noon

Garden in the Woods, Framingham, MA

Course Code: HOR2950

Instructor: Dan Jaffe, Plant Sales Coordinator/Stockbed Manager, New England Wild Flower Society

Saturday, June 11, 10 a.m.-12 noon

Nasami Farm, Whately, MA

Course Code: HOR2952

Instructor: Kate Pawling, Plant Propagator, New England Wild Flower Society



WILDFLOWER PROPAGATION I: TRANSPLANTING SEEDLINGS AND ROOTING CUTTINGS

This lecture/workshop covers propagation from cuttings, container growing, and transplantation. We begin with a discussion of basic plant physiology and anatomy, cutting techniques, container design, soil mixes and fertilization. Participants then have an opportunity for guided practice taking cuttings and transplanting seedlings of various wildflowers to take home. Bring a bag lunch and a sharp pair of scissors or pruners. Pots, soil, and a variety of plant materials provided.

Instructor: Tony Reiber, Senior Grower, New England Wild Flower Society

Fee: \$68 (Member) / \$82 (Nonmember)

Limit: 15 **Credit:** Elective-HD/Adv.HD

Choose one of two sections:

Saturday, June 18, 10 a.m.-3 p.m.

Nasami Farm, Whately, MA

Course Code: HOR3102

Wednesday, June 22, 10 a.m.-3 p.m.

Garden in the Woods, Framingham, MA

Course Code: HOR3101

horticulture & gardening

NEW PLANTING TECHNIQUES FOR TREES AND SHRUBS

This workshop features up-to-date information on the best way to install woody plants. Learn how to avoid costly errors, and see how it is not significantly harder to do the job correctly. Learn the proper way to dig and prepare a planting hole, unpack from “ball and burlap” or containers, water, mulch, and stake. This hands-on workshop is valuable for landscape professionals, home gardeners, and even homeowners who hire others to do their planting, as crucial errors are made even by professionals in the field.

Saturday, June 25, 9:30 a.m.-12 noon

Garden in the Woods, Framingham, MA

Course Code: HOR3006

Instructor: Rolf Briggs, owner, Tree Specialists, Inc.

Fee: \$30 (Member) / \$36 (Nonmember)

Limit: 15 **Credit:** Elective-HD/Adv.HD

Cosponsor: MA Audubon Drumlin Farm

BUTTERFLIES AND OTHER POLLINATORS IN YOUR GARDEN

Scientists now consider our residential backyards the “final frontier” in providing essential habitat for at-risk pollinator species that are vital to environmental health and healthy natural landscapes. Learn about the best plants to help feed and shelter butterflies, bees, moths, and hummingbirds and how to encourage biodiversity in your backyard with just a few changes in your landscaping practices. Butterfly identification, life-cycles and ecology are also a focus during the morning session. After lunch, take a walk looking for pollinators at work in the Garden at peak mid-summer bloom, as well as those pollinators who might be enjoying our special exhibit of creative container gardening for pollinators, “Native Buzz.” Extensive handouts provided. Bring a bag lunch; drinks and dessert provided.

Tuesday, July 12, 9:30 a.m.-3:00 p.m.

Garden in the Woods, Framingham, MA

Course Code: HOR4261

Instructors: Ellen Sousa, naturalist and garden designer; Sharon Stichter, butterfly specialist and editor, *MA Butterflies*

Fee: \$68 (Member) / \$82 (Nonmember)

Limit: 20 **Credit:** elective-all certificates



horticulture & gardening

NATIVE HERBACEOUS PLANT MATERIALS: LATE SEASON

This course covers many of the best native North American herbaceous plants for New England landscapes and gardens, looking at those which bloom in the second half of the growing season. We focus on identification, cultural requirements, and how these species can be used effectively in designed and managed spaces. We take advantage of Garden in the Woods as our primary classroom, so be prepared for walking and weather. This course is a companion to HOR1000, but either can be taken separately.

Wednesdays, August 10, 31, 1-3:30 p.m.

Garden in the Woods, Framingham, MA

Course Code: HOR1050

Instructor: Jessie Panek, landscape designer

Fee: \$70 (Member) / \$82 (Nonmember)

Limit: 15

Credit: Core-HD; Elective-all certificates

LATE SEASON CONTAINER GARDENING

Get past the potted chrysanthemum and a pumpkin for your front porch this fall. With summer winding down, it's time to jazz up those tired container plantings you've been watering since June. Discover native plants that carry color, texture and form into the fall and learn tips on design, maintenance and over-wintering. Then assemble and plant your own container under the instructor's guidance. BYOC—bring your own container. Containers and plants available at a discount for class participants that day. Class fee includes potting mix, fertilizer and mulch.

Thursday, August 18, 10 a.m.-12 noon

Garden in the Woods, Framingham, MA

Course Code: HOR2954

Instructor: Dan Jaffe, Plant Sales Coordinator/Stockbeds Manager, New England Wild Flower Society

Fee: \$30 (Member) / \$36 (Nonmember)

Limit: 15 **Credit:** Elective-HD/Adv. HD

INTRODUCTION TO SEED SAVING

Learn the basics of harvesting, processing, cleaning, and storing a wide spectrum of native plant seeds in this hands-on workshop. Start with a discussion about the timing of collection, plant identification, determining ripeness, harvesting methods, processing techniques, and proper storage to maintain seed viability. Then venture out into Nasami Farm Sanctuary for some botanizing and seed collection. Return indoors where we try our hands at cleaning and processing various types of seeds. Bring home the seeds that you clean, and learn first hand the tremendous benefits that seed-saving brings to the willing gardener.

Saturday, August 27, 9 a.m.-1 p.m.

Nasami Farm, Whately, MA

Course Code: HOR3205

Instructor: Kate Pawling, Plant Propagator, New England Wild Flower Society

Fee: \$54 (Member) / \$65 (Nonmember) includes cost for seeds, supplies

Limit: 15 **Credit:** Elective-all certificates



horticulture & design trips

MANOMET CENTER

Perched high on the bluffs overlooking Cape Cod Bay, this diverse 40-acre property includes perennial gardens, woodlands, meadows, cranberry bogs, vernal pools and a pond. Enjoy a tour through the century-old Ernst Garden for Wildlife and view a slide show of its history and Manomet's mission to promote ecologically healthy landscaping. Learn to identify both native and non-native species of plants, and observe bird-banding as you learn about their habitats and ecology at one of the oldest bird

banding stations in the country. Bring your lunch and enjoy a picnic on the bluff where there is a spectacular view of the bay. Wear sturdy shoes and dress for the weather.

Tuesday, May 24, 10:00 a.m.-2:30 p.m.

(Rain date Thursday, May 26, 10:00 a.m.-2:30 p.m.)

Plymouth, MA

Course Code: HDT1500

Leaders: Kim Goggin, Garden Coordinator, and Trevor Lloyd-Evans, Senior Ornithologist, Manomet Center for Conservation Sciences

Fee: \$44 (Member) / \$50 (Nonmember)

Limit: 20 **Credit:** Field HD/Adv.HD

Graceful Gardens of New Hampshire

Three enticing gardens open their gates to us for a late spring visit in the Sunapee Valley region of NH. Glenn Irick, landscape designer, leads our tour of "Happy Landings" a magnificent bucolic property surrounding an 1830s colonial style house, with sweeping pastoral views of wetlands, woodlands and Mt. Kearsarge. Eclectic gardens include foundation plantings, pool, and outer gardens with rhododendrons, mountain laurels, viburnums, dogwoods, spirea, clethra, and blueberry, to name a few. Large magnolias, an old craggy apple near the pool, and mature sugar maples at the original front door are all noteworthy specimens. Varietal diversity and spectacular views are strong factors on this lovely site.

The abundance of showy native woodland species naturally occurring at the Hewitt property in New London are the inspiration for this award-winning garden with its winding stone-lined paths and distinctive alpine habitats. At least 20 species listed as threatened, endangered or of special concern may be seen. A northeast-facing slope is home to a rockery with dwarf and miniature conifers, dwarf northern moun-

tain rhododendron, 5 species of low-growing willows and other rock garden plants. All garden and field work is done exclusively by the owners. Bring a picnic lunch to enjoy on the property.

At John and Donna Ferrie's garden, extensive native plantings along the long driveway connect to a cutting garden of 6 raised beds and a large shade garden with *Actaea*, *Anemonella*, *Thalicroides*, *Dicentra*, *Disporum*, *Dodecatheon meadia*, *Jeffersonia*, *Polygonatum 'Variegatum'*, *Tiarella*, and *Trillium*. This leads to a small shade garden of dwarf perennials near the terrace before you encounter more native plants along the lake shore. Each area is interspersed with several large, whimsical frog sculptures.

Saturday, June 4, 10:30 a.m.-3:30 p.m.

New London, NH

Course Code: HDT4005

Leader: Thelma Hewitt, New England Wild Flower Society Honorary Trustee and gardener extraordinaire

Fee: \$55 (Member) / \$62 (Nonmember)

Limit: 20 **Credit:** Field HD/Adv.HD

horticulture and design trips

THURSTON HEALING GARDEN

View the 8-acre garden of native and imported plants, created by Virginia and Bill Thurston out of a wooded hillside over 40 years. Virginia was a past president of the Garden Federation of Massachusetts and a master of scale, textures, and color. While much of the garden is mature plantings of trees and shrubs, there should also be a good display in the iris and peony garden. When Virginia died of breast cancer, her husband donated two acres with a small cottage to start the Virginia Thurston Healing Garden in 2000, to promote the counseling and other integrated care that made a positive impact in Virginia's experience of cancer. After the tour, the center's horticultural therapist speaks about horticultural therapy. Bring a brown bag lunch to enjoy in the garden or at the center.

Tuesday, June 7, 10 a.m.-12 noon

Harvard, MA

Course Code: HDT1032

Instructor: Janet Ganson, Jennifer Angell, Thurston Healing Garden Staff

Fee: \$33 (Member) / \$37 (Nonmember) includes donation to the Healing Garden

Limit: 20 **Credit:** Field-HD/Adv.HD

NATIVE PLANT DESIGN AT TOWER HILL

The extensive gardens at Tower Hill are renowned for their beauty and diversity. This walk and talk highlights those gardens that showcase native trees, shrubs, and perennials — and that range from highly formal to naturalistic. We will discuss design principles as well as characteristics of the individual plants. Come early and plan to spend extra time enjoying the Gardens; your fee includes Garden admission. Twigs Café offers light meals or you can picnic on the lawn.

Saturday, June 25, 1:30-4:00 p.m.

West Boylston, MA

Course Code: HDT1035

Leader: Dori Smith, M.Ed, owner, Gardens for Life, Acton, MA

Fee: \$27 (Member) / \$31 (Nonmember)

Limit: 16 **Credit:** Field-HD/Adv.HD

Cosponsor: Tower Hill Botanic Gardens

ONE ACRE IN THE WOODS

Join certified arborist and landscape designer Jim McSweeney for an in-depth look at his own home landscape. Implementation of the landscape design began in 2003 after construction of an off-the-grid solar-powered house. The major goal was to preserve the integrity of the existing forested landscape, while providing for vegetable gardens, fruit trees, and perennial beds. This past spring a new tall grass and native wildflower meadow and a dwarf heirloom apple tree orchard were added. Choosing predominantly native plants, Jim and his wife Lisa created a landscape that features low maintenance and four seasons of interest. In this on-site seminar, discuss several components of the design, including plants, hardscaping, siting of structures, cultural conditions, and the balance between form and function. Bring a bag lunch.

Sunday, July 17, 11 a.m.-2 p.m.

Chesterfield, MA

Course Code: HDT2012

Leader: Jim McSweeney, owner of Hilltown Tree and Garden

Fee: \$33 (Member) / \$37 (Nonmember)

Limit: 20 participants

Credit: Field-HD or Adv. HD

horticulture and design trips

Gardens of Coastal Maine

Register for either or both dates

Leader: Bonnie Drexler, Education Director,
New England Wild Flower Society

Limit: 20 **Credit:** Field-HD/Adv.HD

COASTAL MAINE BOTANICAL GARDENS AND MORE

Enjoy the glories of coastal Maine gardens – one a renowned Botanical Garden and the other a stunning private garden on the coast nearby. Plant and Garden Curator, Bill Cullina, welcomes us to the magnificent Coastal Maine Botanical Gardens, officially opened in 2007, but already making a name for itself nationally with the newly installed two-acre Children’s Garden, the Garden of the Five Senses, multiple ornamental displays, an area of native Maine plantings, fairy villages, waterfalls — all surrounded by exceptional natural beauty and incomparable stonework and sculpture. After our orientation from Bill, we tour the Gardens with a docent and then enjoy lunch on our own at the Kitchen Garden Café.

After lunch and time to explore on our own, we drive a short distance along the coast to Frogs Leap, where owner Ellie Freeman shares her exuberant plantings inspired by art and literature, creating a wonderful expression of horticultural form and color. The garden includes a blend of classic Maine perennials with modern varieties and native plants. A human-sized frog sculpture contemplates a water garden where real frogs bask on lily pads. We explore this rocky coastal site, now transformed with a hillside stroll garden, game lawn, vegetable and cutting garden, chess lawn, lily pond, moss walk, dry-stone Asian-style contemplative gar-

den, and 150-foot long borders ablaze with late summer bloom.

Wednesday, August 17, 9-3 p.m.

Boothbay, ME

Course Code: HDT7003

Fee: \$76 (Member) / \$91 (Nonmember)
includes Garden admission and tour fee

ON THE WATER

Two gardens with stunning coastal settings on Sawyer’s Island invite our exploration this morning. We begin at the Traphagen garden, a lovely site which faces south across the water and was originally a working dairy farm named “Sweet Brier Farm.” The Cape Cod style house was built around 1790. Focus is on color, plant size, and leaf interest. The perennial garden off the back of the house is undergoing a transition to a Japanese style garden to lighten the amount of care and watering for this home gardener. Enjoy a view out to a pergola surrounded by perennials and then on to the lovely old barn with its rock garden. The Lapointe garden incorporates a blend of native and ornamental trees, shrubs, and perennials, set off with native stone and a beautiful panoramic view of the Sheepscot River. It features a mixed-border entrance garden with water feature, conifer garden, herb garden, perennial garden, annual cutting garden and stone fire pit. We enjoy a box lunch at the end of our visit. When registering, please specify whether you prefer a vegetarian or a regular box lunch.

Thursday, August 18, 9:30-1:00 p.m.

Course Code: HDT7004

Fee: \$45 (Member) / \$49 (Nonmember)
includes box lunch

horticulture and design trips

NATIVE GARDENS IN NEWTON

Learn how a landscape designer working with urban properties and their sustainably-minded owners can create enticing native gardens in small spaces. The first garden we visit, situated around a Victorian house, received a front yard overhaul, which was achieved by removing lawn and creating a habitat garden by adding many natives with four-seasons of interest. A photo of this property illustrated an article in *Money Magazine* naming Newton as one of the best places to live in America. The second homeowner wished to make her garden as eco-friendly as possible, reducing its carbon footprint, reusing materials and creating

habitat for wildlife. A walkway of recycled brick was installed, rain gardens improved drainage around the existing edible garden, and 100-year old recycled seawall blocks were installed as sitting walls. Shrubs from the front of the property were replanted in the back and a mostly native woodland garden was created under a red maple.

Saturday, September 17, 10:00 a.m.-12:30 noon
Newton, MA

Course Code: HDT1034

Leader: Risa Edelstein, landscape designer,
President, Ecological Landscaping Association

Fee: \$22 (Member) / \$25 (Nonmember)

Limit: 20 **Credit:** Field-HD/Adv.HD

Cosponsor: Ecological Landscaping Association

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BARK AND TREE TEXTURES

Black cracks, red “ski trails,” flaky gray chips—these are details you can easily use to distinguish between three native oak species. While their leaves are still in bud, trees can be identified by their bark, their branching patterns, their buds, and overall form against the sky. Walk the Garden to see the “woods” with a new perspective and try your hand at bark-rubbing as a way to record your observations.

Saturday, March 12, 1-3 p.m.

Garden in the Woods, Framingham, MA

Course Code: BOT3209

Instructor: Karen Sebastian, principal, Karen Sebastian, LLC, Landscape Architecture

Fee: \$24 (Member) / \$29 (Nonmember)

Limit: 16 **Credit:** Elective-all certificates

HARVARD UNIVERSITY HERBARIUM AND GLASS FLOWERS

Enjoy a unique tour of the world's largest university-owned herbarium with more than 5 million pressed specimens. This rich and diverse collection from around the globe dates back to 1842 when botanist Asa Gray arrived at Harvard. After our tour, focusing on New England natives, we will have a bag lunch in a private room and then tour the glass flower collection, a highlight of the Harvard Museum of Natural History. German glass artisan Leopold Blaschka and his son Rudolph began creating these 830 remarkable colored glass plant models in the late 1800s. Their beauty and realism continues to astound us today. Bring a bag lunch. Explore the Museum on your own after our tour.

Wednesday, March 16, 11 a.m.-2:30 p.m.

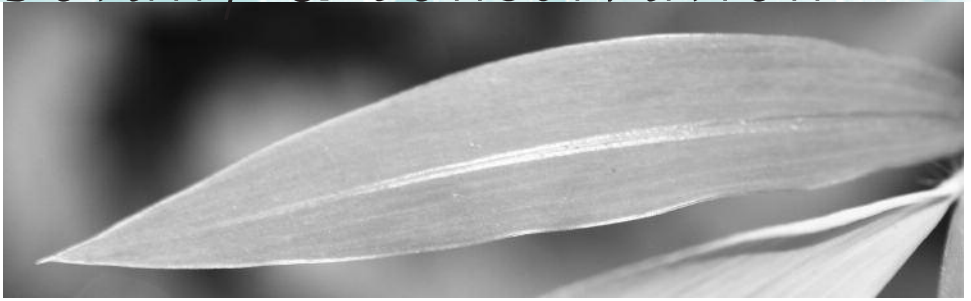
Cambridge, MA **Course Code:** BOT6021

Instructor: Harvard University Herbarium and Natural History Museum staff

Fee: \$48 (Member) / \$58 (Nonmember)
includes Museum admission

Limit: 20 **Credit:** Elective-all certificates

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WILD FOODS, NUTRITION, AND LAND CONSERVATION

Land conservation has many obvious benefits — protecting habitats and watersheds, preventing erosion, offering places of beauty and respite. Few of us consider the additional benefit to our health and well-being that derives from the wild, nutrient-dense foods these natural areas can provide. Take a provocative look at agriculture (particularly small-scale) and its effects on the environment and human health. How does clearing the canopy and understory of a natural area affect wild food sources? Do changes in our diet over the past century have a physiological and genetic impact? Appreciating the critical need humans have for wild food provides another powerful argument for the protection of land from uses that drastically alter its ecological function.

Thursday, April 14, 7-8:30 p.m.

Garden in the Woods, Framingham, MA

Course Code: BOT5140

Instructor: Arthur Haines, Research Botanist,
New England Wild Flower Society

Fee: \$20 (Member) / \$24 (Nonmember)

Limit: 30

Sponsor: MA Audubon Drumlin Farm

INVASIVES: ID, ECOLOGY, AND CONTROL

Get a head start on invasive control this year by learning to identify invasives in the early season. This course provides an introduction to about 40 of the most common invasive non-native plants in our local landscapes. Through lecture, discussion, power-point presentation, herbarium specimens, and a walk outside, become familiar with identification clues as well as the habits of a number of these plants that are so disruptive of natural ecosystems. Discuss management techniques for many of these species, on both a home and a landscape scale. The “Invaders” issue of the Society’s magazine as well as the *MA Field Guide to Invasives* will be available for purchase at a discount.

Instructor: Ted Elliman, Vegetation
Management Coordinator, New England Wild
Flower Society

Fee: \$48 (Member) / \$58 (Nonmember)

Limit: 20 **Credit:** Elective-all certificates

Choose one of two sections:

Saturday, April 16, 10 a.m.-2 p.m.

Litchfield, CT

Course Code: BOT5114

Sponsor: White Memorial Conservation
Center

Sunday, April 17, 12:30-4:30 p.m.

Garden in the Woods, Framingham, MA

Course Code: BOT5107

Sponsor: Arnold Arboretum of Harvard
University

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WILDFLOWERS OF NEW ENGLAND

A great way to begin the study of native plants, this course focuses on learning to identify wild plants and provides field experience across the spectrum of New England flora. Sessions will cover plant identification using *Newcomb's Wildflower Guide*. Students will become familiar with family characteristics, growth patterns, habitats, and pollination mechanisms of many of our native wildflowers. Practice plant identification and study plant habitats in the field. Bring a hand lens to each class. Required text: *Newcomb's Wildflower Guide*.

Fee: \$142 (Member) / \$167 (Nonmember)

Limit: 16 **Credit:** Core-FB or HD

Choose one of four sections:

Thursdays, April 21, 28, May 5, 19, 10 a.m.-12:30 p.m.

Garden in the Woods, Framingham, MA

Instructor: Neela de Zoysa, botanist, author

Course Code: BOT3000

Thursdays, April 21, 28, May 19, 6:30-9:00 p.m.,

Saturday, May 14, 10 a.m.-12 noon

Garden in the Woods, Framingham, MA

Instructor: Neela de Zoysa, botanist, author

Course Code: BOT3001

Wednesday, May 11, 6-9 p.m.,

The Fells, Newbury, NH

Saturday, May 14, 9 a.m.-1 p.m.,

Plainfield Sanctuary, Plainfield, NH

Sunday, May 22, 10 a.m.-2 p.m.,

The Fells, Newbury, NH

Instructor: Chris Mattrick, Forest Botanist, White Mt. National Forest, NH

Course Code: BOT3007

Cosponsor: The Fells, Newbury, NH

Thursdays June 9, 16, 23, 5:30 - 7:00 p.m.,

Saturdays, June 11, 18, 9:30 a.m.-11:30 a.m.

Yale Peabody Museum, New Haven, CT and field sites

Instructor: Lauren Brown, botanist, author of *Wildflowers, Winter Weeds, and Grasses: An Identification*

Course Code: BOT3004

Cosponsor: Yale Peabody Museum, New Haven, CT

DISCOVERING NATIVE SHRUBS

Shrubs are an important component of almost every habitat in New England — many kinds of forests, swamps and bogs, woodland and wetland edges, and even our yards. This introductory course focuses on about 20 shrub species native to New England. Learn common shrub ID, historic uses, wildlife value, and fascinating shrub lore. Bring a bag lunch and a hand lens if you have one.

Saturday, May 21, 10 a.m.-2:30 p.m.

Arcadia Wildlife Sanctuary, Easthampton, MA

Course Code: BOT3331

Instructor: Roland "Boot" Boutwell, naturalist

Fee: \$25 (Member) / \$30 (Nonmember)

Limit: 16 **Credit:** Elective-all certificates

Cosponsor: MA Audubon Arcadia



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BACKYARD BIODIVERSITY

Designed for landowners, both small (1/4 acre) and large (hundreds of acres), this course highlights the importance of biodiversity to local ecosystem functioning and our quality of life. We examine how biodiversity can be degraded by misguided management practices, poorly-planned development, and landscaping that relies only on exotic plants. Discuss alternative approaches that help sustain biodiversity, along with ideas about natural landscaping, use of native plants, identifying and selectively dealing with pests, and coping with invasive species. Techniques for documenting the biodiversity in your backyard are introduced with printed and internet resources for reference.

Saturday, May 21, 1-4 p.m.

Montshire Museum, Norwich, VT

Course Code: BOT5150

Instructor: Rick Enser, Consulting Conservation Biologist

Fee: \$36 (Member) / \$42 (Nonmember)

Limit: 20 **Credit:** Elective-all certificates

Cosponsor: Montshire Museum

NATIVE NEW ENGLAND SHRUBS

The many species of native New England shrubs display a wide variation in size, shape, color, and characteristics of their bark, flowers, and fruits. This course introduces students to about 50 species growing in this region. We emphasize identification and become familiar with family characteristics and historic uses. Bring a hand lens to each session. Weekend sessions held in locations off-site with directions provided during the first class.

Fee: \$215 (Member) / \$258 (Nonmember)

Limit: 15

Credit: Core-FB or HD; Elective-all certificates

Instructor: Roland "Boot" Boutwell, naturalist

Choose one of two sections:

Thursdays, June 2, 9, 16, 6:30-8:45 p.m., and Saturdays, June 4, 11, 9 a.m.-1 p.m.

Garden in the Woods, Framingham, MA and field sites

Course Code: BOT3300

Tuesdays, September 6, 13, 20, 6:30-8:45 p.m. and Sundays, Sept. 11, 18, 9 a.m.-1 p.m.

Garden in the Woods, Framingham, MA and field sites

Course Code: BOT3301

DIGITAL MACRO FLOWER AND INSECT PHOTOGRAPHY

Close-up photography has the ability to reveal details about the natural world invisible to the naked eye, but for many people, mastering digital macro photography can be baffling and frustrating. In this workshop geared for novice and intermediate photographers, learn the basics of digital photography as it relates to close up work with plants and their pollinators in a clear and non-technical way. Study equipment from point-and-shoot cameras to high-end DSLRs, tripods, lenses, filters and lighting, then delve into camera settings and tricks for getting professional-quality pictures on a non-professional budget. After a break, spend two hours photographing in the Garden then come inside for a demonstration of post-processing and archiving techniques with student images using software such as Adobe Lightroom and Photoshop. Snacks and a light supper are provided.

Saturday, June 4, 3-8 p.m.

Garden in the Woods, Framingham, MA

Course Code: BOT6050

Instructor: Bill Cullina, Plant and Garden Curator, Coastal ME Botanical Gardens, author of *New England Wild Flower Society's Guide to Growing and Propagating Wildflowers*

Fee: \$88 (Member) / \$106 (Nonmember)

Limit: 20 **Credit:** Elective-all certificates

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SURVEY OF NEW ENGLAND FERNS IN RHODE ISLAND

Don and Ray have offered this workshop annually since 1999, but never before in Rhode Island. We begin at the historic Valentine Whitman House with a review of our fern flora, the 68 species that are native to New England. After an introductory discussion, instructors display photographs, drawings, and frond silhouettes. Field ID techniques are reviewed. An outdoor field session follows at the Nature Conservancy's Lime Rock Preserve where dolomitic marble ledges produce a special calcareous soil that nurtures 30 rare plant species - more than any other site in Rhode Island. Beautiful ferns and wildflowers grow along ridges of recrystallized limestone. Geared to students with some experience and comfort in fern taxonomy. Bring a bag lunch and a hand lens.

Sunday, June 12, 10 a.m.-4 p.m.

Lincoln, RI

Course Code: BOT3423

Instructors: Don Lubin and Ray Abair, fern enthusiasts

Fee: \$72 (Member) / \$87 (Nonmember)

Limit: 16 **Credit:** Elective-all certificates

SURVEY OF GRASSES OF THE NORTHEAST

Learn how to identify the common grasses in this workshop, designed for both amateurs and professionals. Starting with a review of the morphology of reproductive parts, we focus on characteristics necessary to learn the differences among the numerous grass tribes as well as genera within each tribe. In an afternoon field session, we learn some shortcuts for recognizing groups. Handouts provided. Bring a 10x hand lens and a bag lunch.

Thursday, June 23, 9 a.m.-3 p.m.

Garden in the Woods, Framingham, MA

Course Code: BOT3516

Instructor: Dennis Magee, author, environmental consultant

Fee: \$72 (Member) / \$87 (Nonmember)

Limit: 16

Credit: Core: Adv.FB; Elective-all certificates

FRAMEWORK TREES OF NEW ENGLAND

Trees are the dominant plant type of New England, with forests covering most of the land area. This survey course addresses identification and natural history of individual species as well as forest ecology. Since understanding today's forests requires familiarity with their history, we will review the changing landscape from the Ice Age through European settlement. Students learn to identify native New England trees and their habitats, to recognize different aged stands (pioneer, second growth, and other growth) and become familiar with forest communities of the northeastern temperate region. We'll consider the natural conditions and human disturbance factors that produce different forest associations. Weekend field trips take us to a variety of forest types off-site. Bring a bag lunch and water for the field trips.

Wednesday, July 6, 6-8:30 p.m., Sunday, July 10 and Saturday, July 16, 9 a.m.-3:30 p.m.

The Fells, Newbury, NH and field sites

Course Code: BOT3205

Instructor: Chris Mattrick, Forest Botanist, White Mountain National Forest, NH

Fee: \$192 (Member) / \$230 (Nonmember)

Limit: 16

Credit: Core-FB; Elective-all certificates

Cosponsor: The Fells, Newbury, NH

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NEW ENGLAND PLANT COMMUNITIES

The diversity of plant communities in New England is truly astounding, including several forest types, freshwater wetlands, coastal dunes, grasslands, heathlands, tidal marshes, and montane communities. Understanding the dominant canopy species, indicator species, and range helps us to interpret our own landscape's ecological identity. Lectures cover effects of soils, topography, moisture, geological conditions, and glaciation. Field trips to study the composition and structure of some distinctive plant communities complement the lectures. Extensive handouts included.

**Thursdays, July 7, 14, 21, 6:30-8:30 p.m.,
Saturdays, July 9, 16, 10 a.m.-2 p.m.**

Garden in the Woods, Framingham, MA and field sites

Course Code: BOT4000

Instructor: Ted Elliman, Vegetation Management Coordinator, New England Wild Flower Society

Fee: \$227 (Member) / \$267 (Nonmember)

Limit: 16

Credit: Core-FB or Adv. HD; Elective-all certificates

Cosponsor: Arnold Arboretum of Harvard University

INTRODUCTION TO PLANT FAMILIES

Rosaceae, Liliaceae, Violaceae, Ericaceae. . . . Learning to recognize and identify New England's wild plants can be made easier by understanding that each species is a member of a specific plant family. In this introductory course, we study characteristics that are diagnostic within common plant families. We look at several families of woody and herbaceous plants, and then observe their similarities and differences as they get divided among genera and species. Students learn basic formulas for identification and

how to apply these to other families encountered. Handouts will be provided before class begins so novices can become familiar with basic botanical terminology included in *Newcomb's Wildflower Guide* which will help you enjoy looking at plant structure. Bring a hand lens to class.

Saturdays, July 9, 23, 30, 9 a.m-1 p.m.

Garden in the Woods, Framingham, MA

Course Code: BOT2260

Instructor: Carol Govan, naturalist, artist

Fee: \$168 (Member) / \$198 (Nonmember)

Limit: 15

Credit: Core-FB; Elective-all certificates

Cosponsor: Arnold Arboretum of Harvard University

THE ART AND FUN OF THE NATURE JOURNAL

One of the best ways to experience and recall the natural world around you is to write it down, make a sketch, and record your immediate impressions in a few sweeps of the pen. Drawing and writing about plants involves muscle-memory that helps us remember them, slow down and see, and make new discoveries. Make your first entries in a new, individualized journal, and hopefully develop a healthy, inspirational, creative habit for a lifetime of keen observation. Join Elizabeth Farnsworth, scientific illustrator and ecologist with New England Wild Flower Society, to learn about and enjoy the art and addictive activity of keeping a nature journal. All materials provided.

Sunday, July 10, 1:30 p.m.-4:30 p.m.

Garden in the Woods, Framingham

Course Code: BOT6007

Instructor: Elizabeth Farnsworth, PhD, botanist, author, and artist

Fee: \$33 (Member) / \$39 (Nonmember)

Limit: 16 **Credit:** Elective-all certificates

Cosponsor: Wellesley Friends of Horticulture

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INTRODUCTION TO THE USE OF COMPASSES AND MAPS FOR LAND NAVIGATION

Through classroom instruction and hands-on practice, learn to read topographic maps, use geographic location systems, compasses and clinometers, and global positioning systems. During a field excursion, practice navigating in small groups to several points using a map and compass. All participants should be prepared for classroom lecture and field time in the woods at a local state park. Bring a note pad, mechanical pencil, cell phone, calculator, lunch, drinking water, insect repellent, sunscreen, and dress appropriately for the weather (rain or shine). Bring a compass, clinometer, GPS, protractor, or UTM plotter if you have them; otherwise they are provided. It is strongly recommended that participants either wait to purchase any of these items until after the training or contact the instructor prior to purchasing anything.

Saturday, August 6, 9 a.m.-5:30 p.m.

Garden in the Woods, Framingham MA, and nearby field site

Course Code: BOT7036

Instructor: Joel Carlson, Certified Forester, Northeast Forest and Fire Management LLC

Fee: \$84 (Member) / \$101 (Nonmember)

Limit: 12 **Credit:** Elective-all certificates

TWICE-CUT FERNS WORKSHOP

A useful way to distinguish ferns is by the degree to which the blade is dissected. About half of our ferns have two degrees of cutting, and they form the largest group when sorted in this way. Compare and contrast ferns of this group using projected photographs, charts and hands-on examination. We discuss vocabulary, frond morphology

and field identification techniques. A field session follows to see the ferns in various habitat areas of the Garden. Bring a bag lunch and a hand lens if you have one.

Saturday, August 13, 10 a.m.-4 p.m.

Garden in the Woods, Framingham, MA

Course Code: BOT3414

Instructors: Don Lubin, Ray Abair, fern enthusiasts

Fee: \$72 (Member) / \$87 (Nonmember)

Limit: 16

Credit: Core Adv.FB; Elective-all certificates

ASTERS OF FIELD AND WOODLAND

Although among the more difficult species of native plants to identify in the field, asters are an important family of plants to know, for they comprise a substantial proportion of the late summer and fall-blooming herbaceous flora of our region. They're also beautiful and have an exquisite structure which makes them exciting to study. This workshop will focus on 15-20 of the most common species - the ones most likely to be found in the wild most of the time. An identification key and other handouts will be provided. Bring hand lens and camera for the field session, to be held in a site in central MA with a high diversity of aster species.

Saturdays, August 27, September 10, 1-4 p.m.

Garden in the Woods, Framingham, MA and field site in central MA

Course Code: BOT3010

Instructor: Arieh Tal, aster aficionado and naturalist

Fee: \$72 (Member) / \$84 (Nonmember)

Limit: 14

Credit: Core Adv.FB; Elective-all certificates

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FIELD IDENTIFICATION TECHNIQUES

This course is designed to equip students with the skills to identify plants in the field. See a variety of floral structures, learn to recognize reliable family characteristics, and develop familiarity with botanical Latin, advancing from using amateur field guides to using professional keys. Designed for students who have taken “Wildflowers of New England” or have previous experience identifying wildflowers, the course increases your confidence and skill in field identification. Please bring a hand lens and a bag lunch. Information on required texts will be sent upon registration.

Saturdays, September 10, October 1, 10 a.m.-4 p.m.

Norcross Wildlife Sanctuary, Monson, MA

Course Code: BOT2008

Instructor: Leslie Duthie, botanist

Fee: \$175 (Member) / \$200 (Nonmember)

Limit: 16

Credit: Core-FB/Adv.FB, Elective-all certificates

SURVEY OF LATE SEASON GRASSES OF THE NORTHEAST

This workshop focuses on the grasses which are in identifiable condition in late summer and early fall. Key identification characteristics are given for 10 tribes and 60 or so genera of common grasses using dried specimens and microscope displays. Follow-

ing a morning session of lecture and observation of the plant materials, there is an afternoon field trip to observe as many grasses as can be found in the time available. Students are expected to have a good understanding of basic botanical nomenclature and concepts. A good 10x to 15x hand lens is essential.

Thursday, September 15, 9 a.m.-3 p.m.

Garden in the Woods, Framingham, MA

Course Code: BOT3517

Instructor: Dennis Magee, author, environmental consultant

Fee: \$72 (Member) / \$86 (Nonmember)

Limit: 16

Credit: Core-Adv.FB; Elective-all certificates

CLUB-MOSSES AND HORSETAILS WORKSHOP

The Hobbs Fern Sanctuary, a New England Wild Flower Society property in northern New Hampshire, is home to a surprising diversity of club-mosses and horsetails, in addition to the nearly 50 kinds of ferns which flourish there. These groups of spore-bearing plants are related to extinct plants that dominated the landscape during the Dinosaur Age. The course covers identification features used to distinguish most of the species. After inside discussion of photographs, drawings, and specimens, we will hike around the Sanctuary to see them in situ. The evergreen species will stand out well against the background so late in the season. Bring a bag lunch and a hand lens.

Saturday, September 17, 10 a.m.-3 p.m.

Lyman, NH

Course Code: BOT3443

Instructors: Don Lubin, Ray Abair, pteridophyte enthusiasts

Fee: \$60 (Member) / \$72 (Nonmember)

Limit: 16

Credit: Core Adv.FB; Elective-all certificates

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PLANT FORM AND FUNCTION

This course, formerly known as “Basic Botany,” provides an introduction to general plant anatomy and physiology. Students are introduced to the plant kingdom through slides and live materials. Microscope study allows for detailed observation of roots, stems and leaves, and their component tissues. Examination of flowers, fruits, and seeds reveals the details of pollination, fertilization, dispersal and germination, empha-

sizing the relationship between plant form and function.

Thursdays, September 22, 29, October 6, 13, 20, 27, 6:30-9 p.m.

Bentley University, Waltham, MA

Course Code: BOT1000

Instructor: Dr. Nancy Eyster-Smith, botanist, Bentley University

Fee: \$210 (Member) / \$252 (Nonmember)

Limit: 16

Credit: Core-FB or HD; Elective-all certificates

wetlands

VERNAL POOL ECOLOGY

During the end of the last ice age, retreating glaciers carved some of New England’s most unique habitats, vernal pools. These ephemeral bodies of water harbor an array of plants, invertebrates, reptiles, amphibians, and other wildlife. We begin with an introduction to the geology and ecology of these pools. We discuss the natural history of the organisms inhabiting them, devoting particular attention to those that rely upon vernal pools for successful reproduction. Our afternoon session brings us into the field where we take a first hand look at the Garden’s Lost Pond, a classic woodland vernal pool. Bring a lunch and rubber boots.

Saturday, April 16, 10 a.m.-3 p.m.

Garden in the Woods, Framingham, MA

Course Code: WET3011

Instructor: Mark D. Cooperman, vernal pool ecologist

Fee: \$60 (Member) / \$72 (Nonmember)

Limit: 15 **Credit:** Elective-all certificates

BASIC WETLAND IDENTIFICATION AND DELINEATION

This two-day introductory course for environmental consultants, conservation officers and commissioners, and anyone seeking to better understand how to interpret and conserve wetlands provides a foundation in principal elements of wetland identification — wetland hydrology, hydric soils, and hydrophytic plants. Field identification and delineation are discussed and practiced. Recommended gear: field/work clothes, clip board/field notebook, plant field guides, soil color charts (if you already own), bug repellent, sunscreen, and rain gear. Bring a bag lunch. Extensive handouts provided and some pre-class reading required.

Thursday and Friday, August 4, 5, 9 a.m.-4 p.m.

Garden in the Woods, Framingham, MA

Course Code: WET2010

Instructor: Patrick Fairbairn, ecologist

Fee: \$169 (Member) / \$203 (Nonmember)

Limit: 12

Credit: Core-Adv.FB, Elective-all certificates

field trips

SPOT POND BROOK & VIRGINIA WOOD

This rocky woodland of more than 2500 acres is just 7 miles NW of downtown Boston. We hike up a small rocky outcrop (a “fell”) and wend our way along Spot Pond Brook to a hemlock forest and a small meadow, looking for mid-spring flowering plants. We end at the bronze plaque commemorating the donation of Virginia Wood by the Tudor Family to the Trustees of Public Reservations in 1891, “the first such gift of land for public conservation purposes in the country.” This walk, of moderate difficulty, focuses on plant ID as well as fun and interesting natural history. Bring lunch, a field guide or two and a hand lens if you have one.

Tuesday, May 10, 10 a.m.-2 p.m.

Middlesex Fells, MA

Course Code: FDT1104

Leader: Roland “Boot” Boutwell, naturalist

Fee: \$36 (Member) / \$44 (Nonmember)

Limit: 15 **Credit:** Field-all certificates

THE CUMBERLAND MONASTERY

Cistercian Monks established a 550-acre monastery here at the turn of the last century, using the land for orchards, woodlots and farming, even quarrying. After a fire destroyed the abbey buildings in 1950, the Town of Cumberland purchased the land for public use. A variety of successional habitats and wetlands now exist on the property, including meadows, old fields, streams, ponds, vernal pools, and rich woods. We seek out such interesting plants as nodding trillium, perfoliate bellwort, and white baneberry. This walk is appropriate for beginners.

Saturday, May 14, 10 a.m.-12 noon

Cumberland, RI

Course Code: FDT7025

Leader: Kathy Barton, naturalist, cofounder of among-ri-wildflowers.org

Fee: \$20 (Member) / \$24 (Nonmember)

Limit: 16 **Credit:** Field-all certificates

COASTAL EDIBLE PLANTS FORAY

The Greater Boston region is home to more than 150 species of edible wild plants, many of which are more nutritious and/or flavorful than their cultivated counterparts. Explore for woodland and wetland species, and, as low tide approaches, hike over a sand spit to a five-acre wooded oceanfront island. In addition to sylvan species like juneberry and sassafras, we encounter Irish moss, used to thicken desserts; dulce, a tasty and healthful substitute for chewing tobacco; and laver, otherwise known as nori, the seaweed used for sushi rolls. Identification tips for each species provided along with information on edible portion(s), season(s) of availability and preparation methods, with guidelines for safe and environmentally responsible foraging. Prepare to take notes and to get your feet wet and muddy.

Sunday, May 15, 1-4 p.m.

Marblehead, MA

Course Code: FDT1038

Leader: Russ Cohen, author and naturalist

Fee: \$27 (Member) / \$33 (Nonmember)

Limit: 26 **Credit:** Field-all certificates

Cosponsor: The Trustees of Reservations

field trips

NATICK COMMUNITY ORGANIC FARM

Take a walk through the natural areas of this interesting, glacially-sculpted property and learn to identify many typical plant communities found in a New England mixed forest, including different habitats such as a wetland and a shaded upland that opens up to more sun. Look closely at several conifers and hardwoods which form the canopy over an understory of smaller trees, shrubs and non-woody plants, including wildflowers and ferns at ground level. This easy walk focuses on plant ID and natural history, as well as historical, economic, and medicinal use of native plants. Bring a lunch to enjoy after the walk and then explore the Farm on your own.

Saturday, May 28, 10 a.m.-12 noon

South Natick, MA

Course Code: FDT1105

Leader: Carol Govan, naturalist and artist

Fee: \$20 (Member) / \$24 (Nonmember)

Limit: 16 **Credit:** Field-all certificates

Cosponsor: Natick Community Organic Farm

SMART'S BROOK LOOP

Take a moderately easy hike through a northern hardwood forest following Smart's Brook in the Sandwich Mountain range. This 3-mile loop has a 300-foot elevation range and offers a wide variety of wildflowers, shrubs, ferns, and fern allies for study. Mosses and lichens also abound. At 2:30 for those who have time, we will take a side trip into Waterville Valley, providing an opportunity to observe and photograph an abundance of white lady's-slippers. Bring a bag lunch, hand lens, cameras, and binoculars to help enjoy your visit to the Whites. The group will meet offsite at 9:45 to arrange carpooling.

Saturday, May 28, 9:45 a.m.-2:30 p.m.

Thornton, NH

Course Code: FDT4018

Leader: Deborah Lievens, botanist

Fee: \$40 (Member) / \$49 (Nonmember)

Limit: 15 **Credit:** Field-all certificates

SPRINGTIME FORAGING FOR EDIBLE PLANTS

Wild plants can add a healthful variety to our modern diets, providing unique flavors and textures to liven up our snacks and meals. See how wonderful it feels to gather your own food. We begin with a discussion of some protective benefits of wild foods and then take off on a relatively easy walk, identifying and gathering various late spring wild edibles. Learn about seasonal differences and preparation techniques for different plant parts. Bring a bag lunch, insect repellent, and a hand lens if you have one.

Sunday, June 5, 10 a.m.-3 p.m.

Brunswick, ME

Course Code: FDT3014

Leader: Arthur Haines, author, Research Botanist, New England Wild Flower Society

Fee: \$40 (Member) / \$49 (Nonmember)

Limit: 15 **Credit:** field-all certificates

Cosponsor: Coastal Maine Botanical Gardens

field trips

EDMAND'S PATH VIA MOUNT EISENHOWER

This moderate hike leads us through a variety of forest types before emerging into the alpine zone on the saddle between Mount Franklin and Mount Eisenhower after 2.9 miles. The trail is one of the best ascents in the White Mountains and the trail is well designed and maintained. It is an historic trail that dates back more than 150 years. Upon reaching alpine zone, a variety of options are available. The true summit of Eisenhower is .7 miles further and provides panoramic views in all directions. The saddle between Franklin and Eisenhower has a wonderful array of alpine flora, a small alpine lake, and Red Pond is nearby. Numerous rare flowers will be observed and although the timing is past peak bloom, a variety of late spring and early summer species should be in bloom. Come prepared for varying weather conditions, dress in layers, and wear sturdy hiking boots.

Sunday, June 5, 9:30 a.m.-4:30 p.m.

Bretton Woods, NH

Course Code: FDT4019

Leader: Chris Mattrick, Forest Botanist, White Mountain National Forest, NH

Fee: \$63 (Member) / \$77 (Nonmember)

Limit: 15 **Credit:** Field-all certificates

FLORA AND PLANT COMMUNITIES OF ESHQUA BOG

Best known for its spectacular showy lady's-slipper orchid display, at its peak during our visit, Eshqua Bog has a remarkable diversity of plants in its upland and wetland habitats. This walk through forest and fen along the preserve's trails introduces diverse plant communities and flora in addition to its fa-

mous orchids. We look at several invasive species which threaten the fen community, and discuss control efforts. As part of a long-term research project on changes in the preserve's flora, in the afternoon we will practice our identification skills with an inventory of the plants in a "study area" portion of the fen. Wear water-resistant footgear, bring lunch, and any field guides you have.

Saturday, June 18, 10 a.m.-2:30 p.m.

Hartland, VT

Course Code: FDT5008

Leader: Ted Elliman, Vegetation Management Coordinator, New England Wild Flower Society

Fee: \$40 (Member) / \$49 (Nonmember)

Limit: 15 **Credit:** Field-all certificates

MORSE MOUNTAIN

Explore part of a 600-acre nature conservation area on the Phippsburg peninsula in mid-coast Maine to see mid-summer blooms of Appalachian sandplant, *Minuartia glabra*, chokeberry and many other native shrubs. This four-mile hike along a dirt road provides a moderate climb up Morse Mountain with lovely views at 210 feet, and then passes through a small salt marsh and ends at sandy Seawall Beach, where piping plovers are nesting. Bring a bag lunch and insect repellent.

Sunday, June 19, 10 a.m.-3 p.m.

Phippsburg, ME

Course Code: FDT3013

Leader: Barbara Grunden, botanist and Plant Conservation Volunteer

Fee: \$45 (Member) / \$49 (Nonmember)

Limit: 15 **Credit:** Field-all certificates

field trips

FERNS AND CLUB-MOSSES AT WAMPATUCK STATE PARK

This 3,526-acre state park offers a great diversity of plants and habitats, especially considering its proximity to Boston. We will visit as many of the 31 *pteridophyte* taxa as time permits, and show you how to identify them. It will be early enough in the season that they will be in good physical condition. Special attractions are the two chain ferns, *Woodwardia areolata* and *W. virginica*. Bring a bag lunch and come prepared for off-trail hiking, insects, briars, and poison ivy.

Saturday, June 25, 11 a.m.-3 p.m.

Hingham, MA

Course Code: FDT1106

Leaders: Don Lubin, Ray Abair, fern enthusiasts

Fee: \$36 (Member) / \$44 (Nonmember)

Limit: 15 **Credit:** Field-all certificates

SUMMER WILDFLOWERS OF ROCK MEADOW

During the summer, Rock Meadow in Belmont, MA, is ablaze with the color of wildflowers and flowering shrubs. We will search the meadows, woods, and wetlands of Rock Meadow for a variety of flowers in bloom. The walk will focus on identification as well as natural history and lore, including an antidote for poison ivy, a coffee substitute, and a solution for unruly oxen.

Wednesday, July 6, 10 a.m.-2 p.m.

Belmont, MA

Course Code: FDT1093

Leader: Roland "Boot" Boutwell, naturalist

Fee: \$36 (Member) / \$44 (Nonmember)

Limit: 16 **Credit:** Field-all certificates

PONEMAH BOG

At the center of this 75-acre sanctuary in southern NH is a three-acre kettle hole pond, encircled by a floating mass of sphagnum. The pond and bog are easily accessible by a narrow boardwalk, which includes spur trails to four viewing platforms. We expect to see the magnificent tuberous grass-pink (*Calopogon tuberosus*) in bloom, as well as horned bladderwort (*Utricularia cornuta*), and small cranberry (*Vaccinium oxycoccos*). We should also see a host of other bog plants, including pitcher plants, sundews and tamaracks. The beauty of this bog may make you think you have passed on to the hereafter, and in fact, according to Longfellow in *The Song of Hiawatha*, "Ponemah" means "land of the hereafter." Ponemah Bog is very accessible and is less than an hour from Boston. Bring a bag lunch as well as a hand lens if you have one.

Saturday, July 9, 10 a.m.-2 p.m.

Amherst, NH

Course Code: FDT1092

Instructor: Roland "Boot" Boutwell, naturalist

Fee: \$36 (Member) / \$44 (Nonmember)

Limit: 10 **Credit:** Field-all certificates

field trips

SUMMER EVE PADDLE ON THE WOOD RIVER

Come along for a pleasant late-day paddle to enjoy the mid summer bloom of wetland plants like floating hearts, pickerel weed, button bush and many more. Share the company of dragonflies, ducklings, great blue herons and possibly beaver. Please bring shoes that stay securely on your feet, dress for the weather, and bring a towel and change of shoes/clothes to leave in the car. You may bring water or camera in the boat and paddlers must use a life jacket. Suitable for beginning kayakers and botanists alike.

Tuesday, July 12, 5-7:30 p.m.

Hopkinton, RI

Course Code: FDT7036

Instructor: Denise Poyer, Program Director, Wood-Pawtucket Watershed Association

Fee: \$35 (Member) / \$39 (Nonmember) includes \$15 kayak rental unless you bring your own

Limit: 15 **Credit:** Field-all certificates

MIDSUMMER FULL MOON HIKE

Come join us for a moon-lit walk through the Garden focusing your senses on the diversity of smells, tastes, textures and sounds to be found along the way. Identify different sumac species by smell, feel the difference between the bark of red oak and white pine, chew on a wintergreen snack while experiencing the garden in a whole new (lack of) light. Gain a unique nighttime appreciation

of the plants and terrain on this night of the “Green Corn” moon.

Thursday, July 14, 8-9:30 p.m.

Garden in the Woods, Framingham, MA

Course Code: FDT1104

Leader: Dan Jaffe, Stockbed Manager, New England Wild Flower Society

Fee: \$20 (Member) / \$24 (Nonmember)

Limit: 15 **Credit:** Field-all certificates

NORCROSS WILDLIFE SANCTUARY

This expansive property abounds with four thousand acres of wooded hills, lakes, and streams. Most is conservation land for wildlife with only about 75 acres open to the general public. Come explore areas not generally opened to the public and see the variety of plant material in July bloom. We visit the two pine barren gardens – with *Aletris farinosa* (white colic-root), *Triantha glutinosa* (false asphodel), *Drosera intermedia* (spatulate-leaved sundews), *Vaccinium macrocarpon* (large cranberry), *Sarracenia purpurea* (pitcherplant). There are picnic tables for those who wish to have lunch here before the walk and a natural history museum located at the visitor center as well.

Saturday, July 16, 1-3 p.m.

Monson, MA

Course Code: FDT2015

Leader: Leslie Duthie, manager and propagator, Norcross Wildlife Sanctuary

Fee: \$20 (Member) / \$24 (Nonmember)

Limit: 15 **Credit:** Field-all certificates

field trips

EXPLORING BARTON COVE FERNS BY BOAT AND FOOT

Who better to explore Barton Cove with than Elizabeth Farnsworth, co-author of both the *Connecticut River Boating Guide* and the *Peterson Field Guide to the Ferns of Northeastern and Central North America*? Barton Cove is well known for its scenic beauty and nesting bald eagles and, with any luck, this paddle will allow us glimpses of both. Botanists also know this area as one rich in a variety of fern species. Participants will paddle to two locations along the peninsula and take short hikes in search of ferns of woodland and rocky habitats. Please bring lunch and drinks to enjoy along the way.

Saturday, July 23, 9 a.m.-1 p.m.

Gill, MA

Course Code: FDT1099

Instructor: Elizabeth Farnsworth, PhD, Senior Research Ecologist, New England Wild Flower Society

Fee: \$25 per person, for ages 12 and up, includes boat rental

Limit: 20 **Credit:** Field-all certificates

Cosponsors: Northfield Mountain Recreation & Environmental Center

EXPLORING MT. TOM

The southern end of Mt. Tom is a steep, rocky outcrop of basalt, with other interesting rock formations from the old Lake Hitchcock era. Look for *Desmodium*, *Lespedeza*, *Helianthus sp.*, *Hepatica americana*, *Ara-bidopsis sp.*, *Aureolaria flava*, *Asclepias quadrifolia*, *Ceanothus americanus*, and *Arctostaphylos uva-ursi* among many other dry, acidic plants associated with these dry basalt ridges and woods. This informal exploration of plants around this site also provides wonderful

views of the valley from the summit. Wear sturdy hiking boots and bring a bag lunch, water, hand lens, field guides and bug repellent. Moderately strenuous to strenuous especially near the summit, with some very steep sections.

Sunday, July 24, 10 a.m.-3 p.m.

Holyoke, MA

Course Code: FDT2053

Instructor: Nancy Goodman, amateur naturalist

Fee: \$45 (Member) / \$55 (Nonmember)

Limit: 15 **Credit:** Field-all certificates

BELLEVUE POND

Enjoy a summer stroll to study a range of wildflowers in bloom along the edge of Bellevue Pond, a beautiful site within the 2,500-acre rocky woodland known as Middlesex Fells. We will then hike up Pine Hill, one of the many rocky outcrops or “fells” in the area for a panoramic view of downtown Boston. After lunch, we will hike to a small meadowy area to study one more very different type of habitat. The walk will focus on plant ID as well as fun and interesting natural history about the plants which we see. Bring lunch, a field guide or two, and a hand lens if you have one.

Tuesday, August 2, 10 a.m.-2 p.m.

Middlesex Fells, MA

Course Code: FDT1029

Leader: Roland “Boot” Boutwell

Fee: \$36 (Member) / \$44 (Nonmember)

Limit: 15 **Credit:** Field-all certificates

field trips

FLORA NOVAE ANGLIAE IN THE FIELD—ANDROSCOGGIN RIVER

New England Wild Flower Society's *Flora Novae Angliae: A Manual for the Identification of Native and Naturalized Higher Vascular Plants in New England* will be published in the late spring of 2011 and this is your opportunity to study in the field with the author. We visit a riparian forest along the Androscoggin River, one of Maine's largest rivers that begins in Western Maine and travels 287 kilometers before joining the Kennebec River at Merrymeeting Bay. A large diversity of flowering plants occurs along the river, including some noteworthy species. We focus on using the newly published manual to learn its structure, terminology, and the author's methods for identifying plants. Plan for uneven (but not rough) ground, weather, and potentially some biting insects. Bring a bag lunch, hand lens, metric ruler, and a copy of the *Flora*, available at the Garden Shop at Garden in the Woods or online at Amazon.com.

Saturday, August 20, 10 a.m.-3 p.m.

Lisbon, ME

Course Code: FDT3015

Leader: Arthur Haines, Research Botanist, New England Wild Flower Society, author of *Flora Novae Angliae*

Fee: \$45 (Member) / \$55 (Nonmember)

Limit: 12 **Credit:** Field-all certificates

OLD GROWTH FOREST ALONG THE MOHAWK TRAIL

Among forest aficionados, Mohawk Trail State Forest is known as the forest icon of Massachusetts, containing the largest acreage of old growth of any property in the state. Trees have been dated to between 400 and

500 years of age. This 6,500-acre state forest also has the tallest trees not only in the Commonwealth, but in all New England. Mature white pines in Mohawk reach to over 160 feet in height. Reinforcing Mohawk's aesthetic and ecological importance are its historical and cultural roles. At least a mile and a quarter still exists of the original Indian Trail. Join Robert Leverett, president and cofounder of Friends of Mohawk Trail State Forest, as he shares the ecological, scenic, historical, and cultural treasures of the region. Part of the 3-4 mile hike is over uneven terrain with some climbing. Wear sturdy footwear and bring a lunch.

Saturday, September 10, 10 a.m.-3:30 p.m.

North Adams, MA

Course Code: FDT2052

Leader: Bob Leverett, Executive Director of ENTS, Eastern Native Tree Society

Fee: \$49 (Member) / \$60 (Nonmember)

Limit: 15 **Credit:** Field-all certificates

FERNS ET AL. OF QUINCY BOG

Visit a bio-diverse bog, associated wetlands, and a pond in the Quincy Bog Natural Area, located near I93 in central New Hampshire. We expect to find about two and a half dozen pteridophyte taxa in this area which supports a rich variety of plant and animal life. Plan to go off-trail for part of the walk, so wear long pants and sturdy shoes.

Sunday, September 11, 11 a.m.-3 p.m.

Rumney, NH

Course Code: FDT4036

Leaders: Don Lubin, Ray Abair, Alice Schori, fern enthusiasts

Fee: \$36 (Member) / \$44 (Nonmember)

Limit: 16 **Credit:** Field-all certificates

children & families



ALL PROGRAMS AT GARDEN IN THE WOODS, FRAMINGHAM, MA

Instructor: Bonnie Drexler, Education Director

FROG MOON NIGHT HIKE

What strange quacks, trills, and peeps can be heard coming from ponds and bogs on a spring evening? Who is making all of that racket and why? Come to the Garden for a slide program about some amazing amphibian singers, practice some croaky calls yourself, and then walk through the woods to experience the sound from the swamps. The evening ends with snacks and some “froggy” crafts to take home.

Friday, April 15, 6:30-8:00 p.m.

Children with Adult Companion

Course Code: FAM3700

Fee: \$9 (Member) / \$11 (Nonmember) per person, for each adult and for each child

Limit: 24

FAIRIES IN THE GARDEN

Let’s use our sharpest senses to find where tiny woodland fairies might be living in our Garden. Maybe under the lady’s-slipper or-

chids? Perhaps near the fairybell wildflowers? Listen to a story about woodland fairies, take a walk to look at wildflowers with a magical fairy connection, and build a fairy house for the Garden and one to take home.

Wednesday, May 25, 3:30-5:30 p.m.

Children in Grades K-2

Course Code: CHP9200

Fee: \$13 (Member) / \$16 (Nonmember)

Limit: 12

DINOSAUR ADVENTURE

How did giant dinosaurs survive on the earth 65 million years ago? What were their bodies like? What did they eat? Explore the Garden to find “living fossils” and learn about ancient plants that could have been dinosaur food. Discover how tree sap can help preserve clues for the future. Following a dino-snack, you make your own fossil to take home.

Wednesday, June 15, 3:30-5:30 p.m.

Children in Grades K-2

Course Code: CHP3900

children & families

Fee: \$13 (Member) / \$16 (Nonmember)

Limit: 12

CATTAIL NATURE KIDS

Cattail Nature Kids offers children an exciting way to experience nature's wonders and have fun at the same time. Garden in the Woods is ours to explore, including ponds, streams, forests and all their plant and animal inhabitants. Each day includes hands-on science activities, games, and crafts. Search the pond edge for frogs and turtles, dip in its waters for newts and pond life, create many nature-inspired crafts such as insect habitats and t-shirts, visit with creatures of the forest floor, marvel at natural wonders with our powerful

stereo-microscopes and much more. We meet each day, rain or shine. Each child should bring a small snack with a drink.

Fee: \$103 (Member) / \$124 (Nonmember)

Limit: 12

Choose one of these four-day sessions:

Tuesday through Friday

July 26, 27, 28, 29, 9:30 a.m.-noon

Ages 5-6

Course Code: CHP8500

Tuesday through Friday

August 2, 3, 4, 5, 9:30 a.m.-noon

Ages 7-9

Course Code: CHP8501

ANIMAL AMBASSADORS

Live animal programs for children with adult companion.

For details visit www.newenglandwild.org/learn/children

Come to the Garden to meet an amazing array of animals, each with a story to tell. Though animal ambassadors cannot speak in words, they can teach us about their adaptations for survival and their place in the natural world. After the show, you are invited to enjoy the Garden with your children.

Fee for ages 3+:

\$4 (Member) / \$6 (Nonmember)

You may pay at the door. Rain or shine

RAIN FOREST REPTILE SHOW

Tuesday, June 21, 10-11 a.m.

ANIMAL ADVENTURES

Tuesday, July 19, 10-11 a.m.

EYES ON OWLS

Tuesday, August 9, 10-11 a.m.



registration

REGISTER BY MAIL

Send completed registration form with your payment to: Registrar, New England Wild Flower Society, 180 Hemenway Road, Framingham, MA 01701. Use a separate copy of the form for each applicant. Please do not mail cash.

REGISTER BY TELEPHONE OR FAX

Credit card registrations (MasterCard or Visa) can be made by calling the Registrar at 508-877-7630, ext. 3303, or by faxing to 508-877-3658.

Registration Form

Name of person filling out form:

Participant's name (if different): Age (if under 18):

Address:

City, State, ZIP:

Email:

Phone: Day Evening

Course code	Course name	Start date	Fee
.....
.....
.....
.....

I want to join the Society. Please indicate membership level fee here (see inside back cover).

I would like to enroll in the Certificate Program (see page 2). \$30 (This is a one-time fee.)

PAYMENT

Total: \$

Check enclosed (payable to New England Wild Flower Society)

Credit card #

Visa MasterCard Exp. date

Name on card

Billing address (if different from above)

Signature

MEMBERSHIP STATUS & POLICY STATEMENT

I am a current member of New England Wild Flower Society:

Yes, membership # No

I am a current a member of (Cosponsor organization)

I have read and accept the Cancellation & Refund Policy (inside back cover). Yes No

registration information

For registration form, see page 32.

Advance registration is required for all fee-based courses and is accepted on a first-come, first-served basis upon full payment. Upon registration, you will receive a confirmation letter, including course locations and any recommended reading and supplies. Early registration is encouraged; programs with insufficient registration may be cancelled three to five business days before the scheduled start date. If your requested course is filled, you will be put on a waiting list and your credit card will not be charged or your check will be returned. When space becomes available, you will be contacted according to your position on the waiting list. **Sorry, we cannot accept walk-in registrations.**

CANCELLATION & REFUND POLICY

SOCIETY CANCELLATIONS, CHANGES & INCLEMENT WEATHER: The Society reserves the right to cancel courses, change times or locations, and substitute instructors. If a class is cancelled by the Society, you will receive a full refund. In the event of any course change, you will be notified as soon as possible. Courses and field trips run rain or shine. However, in

the event of extremely inclement weather, please call the Registrar, 508-877-7630, ext. 3303, to see if your course has been rescheduled. The Registrar or instructor will make every effort to inform you by telephone or email of any change. Please include day and evening phone numbers and your current email address on the registration form.

YOUR CANCELLATION & REFUND: To cancel and receive a refund, you must withdraw at least one week before a course's start date. No refunds or transfers can be given for withdrawals within a week of the course start date, from courses already in progress, or for class sessions you have not attended. Ten percent of the registration fee (minimum of \$5) will be deducted from all refunds, excluding classes cancelled by the Society, except where otherwise noted. No cancellation fee will be assessed if the course fee is less than \$10.

EQUAL ACCESS

If you need assistance or special accommodations, please inform the Registrar, 508-877-7630, ext. 3303, at the time you register, or as soon as possible, in order to allow us to make the best efforts to meet your needs.

membership information

Join us... and strengthen our mission

The ultimate membership benefit is the satisfaction of knowing you are making a difference in the health of our environment and New England's natural habitats.

Additional benefits include:

- Unlimited free admission to Garden in the Woods, the region's premier native wildflower botanic garden (Does not apply to Associate Membership.)
- 10% discount on purchases from our native plant sales area at Garden in the Woods and Nasami Farm
- 10% discount on most book and gift items
- Up to 20% discount on hundreds of courses, workshops, symposia, and field trips. **Join when you register for immediate discounts on courses.** (See course

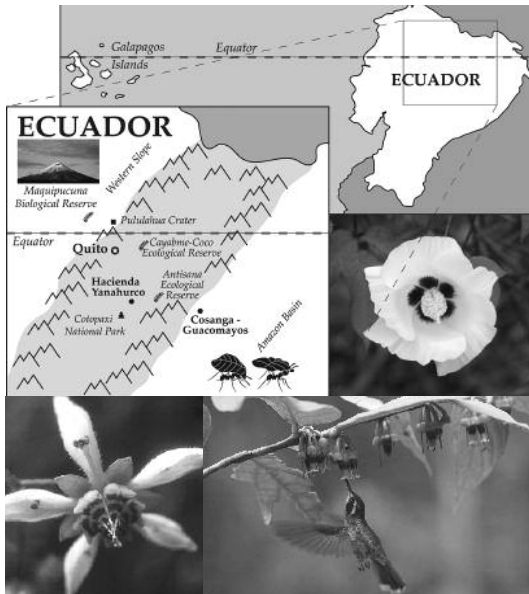
registration form on page 32.)

- Subscriptions to the Society's publications
- Borrowing privileges at our 4,000-volume botanical library
- Discounts at select New England and mail-order nurseries

Membership levels

- Individual \$50
- Dual \$60
- Family/Friends \$70

For more information on membership benefits, Corporate Membership, and discounted Associate and Student memberships, please contact Karen Pierce, Development and Membership Director, at 508-877-7630, ext. 3801, kpierce@newenglandwild.org.



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