

NYBG

CONTINUING EDUCATION | SPRING-SUMMER 2023



NEW YORK BOTANICAL GARDEN

Welcome

Spring blooms, and so do NYBG learning opportunities! In this catalog, we shifted our name from Adult to Continuing Education to reflect our commitment to lifelong learning. This season we are delighted to showcase the courses you love while presenting new offerings and inspiring speakers.

We are happy to announce the launch of our first set of courses on the Canvas learning platform, which will better enable us to bring you great content online such as *History of Botanical Art* and *Flower ID from A to Z*. We do this with an eye toward launching more flexible online content to expand learning opportunities that suit busy schedules. Stay tuned for more information!

April is an important month at NYBG, a time when we honor Earth Day and continued efforts for a sustainable, healthy planet. This year we welcome award-winning Tree of 40 Fruit contemporary artist, professor, and fruit tree grower Sam Van Aken, who will lead a discussion on biodiversity and a hands-on apple grafting master class to show how you too can create a tree of many fruits.

In May visual artist Ebony G. Patterson will be in conversation with renowned curator Thelma Golden. Our Garden-wide exhibition of Patterson's work is a must-see, as she will work directly with NYBG to form a new body of sculptural and horticultural installations that bring her unique perspective to life. Patterson's work will shed new light on NYBG and provide intriguing pathways for engagement with the natural world.

Juneteenth weekend will be celebrated with multiple events. A Caribbean party—complete with food trucks, shave ice, music, and performances—will mark the opening of our Edible Academy exhibition *African American Garden: The Caribbean Experience*, curated by Dr. Jessica B. Harris, America's leading scholar on the foodways of the African Diaspora. This celebration will be followed by a symposium featuring a dialogue between Dr. Harris and award-winning author Jamaica Kincaid; a panel discussion focused on the role of sugar in the history of the Caribbean and beyond; booksignings; and more.

Summer always brings a fantastic opportunity to fast-track your learning at NYBG. Our Summer Intensives are back in Floral Design, Gardening, Landscape Design, and (new) Therapeutic Horticulture.

You can count on us to bring you high-quality, practical, and fun courses that will expand your intellectual and creative growth. We look forward to growing with you as spring and summer bloom!

Kay Chubbuck

Vice President for Education

Registration is now open.

Please visit nybg.org/ContEd or call 718.817.8720.

Please don't wait too long to register! Many classes fill up quickly. When classes sell out, we do try to open additional sections, so kindly add your name to the wait list and help us determine interest. And keep an eye out for e-newsletters with updates on new classes, sections, and speakers.

Prices listed are Member/Non-Member. Not a Member yet? Call 718.817.8703.

ABOUT THE COVER: Last spring dozens of plein-air artists spread out across Garden grounds to capture familiar scenes in a new light during the Fifth Annual Plein-Air Invitational. The work, all completed in one day, is featured on our cover and throughout this catalog.

Front cover artwork: ©Elissa Gore, *Conservatory Entrance* (detail), Watercolor, elissagore.net

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©Courtesy of Magnolia Pictures

MASTER GARDENER: ADVANCE FILM SCREENING INTRODUCED BY SIGOURNEY WEAVER AND PAUL SCHRADER

Join us for a special sneak preview of *Master Gardener* starring Academy Award® nominee and NYBG Trustee Sigourney Weaver. Directed by Academy Award nominee Paul Schrader, *Master Gardener* follows horticulturist Narvel Roth (Joel Edgerton), the meticulous gardener of Gracewood Gardens. Roth is as much devoted to tending the grounds of this beautiful and historic estate as to pandering to his employer, the wealthy dowager Mrs. Haverhill (Weaver). When she demands that he take on her wayward and troubled great-niece Maya (Quintessa Swindell) as a new apprentice, Roth's spartan existence is upended, unlocking dark secrets from a violent past that threatens them all.

This screening will be introduced by Sigourney Weaver and Paul Schrader through an engaging conversation about the film and the pivotal role that gardening plays in this tale of redemption.

Thursday, May 4 | 6–9 pm | Ross Hall |
234HRT820 | \$35/\$39

Earth Day 2023

FEATURING SAM VAN AKEN
SATURDAY, APRIL 22

As part of this year's Earth Day programming, NYBG hosts artist, professor, and fruit tree grower Sam Van Aken for a dynamic discussion and hands-on apple grafting master class spotlighting this centuries-old horticultural technique and its integral role in improving local biodiversity and habitat conservation.



Re-Orcharding New York: Lecture + Q&A

Among its many forgotten histories, New York City was the origin of fruit tree growing in the U.S. From the indigenous Lenape (Delaware) people cultivating plums, apples, and cherries, to the Huguenots from France introducing grafting and other agricultural practices in the 18th century, the city and region have been shaped by waves of migration and those who brought fruit along as a connection to home.

Fascinated by the historical narratives and cultural significance embedded within fruit and their ability to preserve genetic diversity, Sam Van Aken will share his citywide project, The Open Orchard, a public orchard on Governors Island that launched in 2022 and contains nearly 250 fruit tree varieties that once grew in and around New York City but disappeared with the rise of industrialized agriculture. Van Aken will highlight the process of returning these lost varieties to sites throughout the city and its environmental benefits. He will also highlight additional projects such as his partnership with NYC Parks GreenThumb, which distributes additional trees to local community gardens. *CEUs are available.*

11 am–12 pm | Ross Hall | 234HRT814 | \$35/\$39

Apple Grafting Master Class

Sam Van Aken's famed conservation work, Tree of 40 Fruit, contains multiple varieties of apples, peaches, plums, apricots, and cherries that blossom and produce fruit sequentially. In this hands-on master class, explore the basics of grafting different varieties of apples, and hear how old and new grafting technologies allow Van Aken to create public art that also serves as environmental preservation. To support local community gardens, most trees grafted in this special master class will be donated. See p. 24 for prerequisite information.

2:30–4 pm | NYBG | 234HRT362 | \$185/\$205



Above: Ebony G. Patterson, *...in the waiting...in the weighting...* (detail), 2021. Courtesy of the artist and Monique Meloche Gallery, Chicago
Right: Courtesy of the artist and Monique Meloche Gallery
Photo: Frank Ishman

Ebony G. Patterson

IN CONVERSATION WITH THELMA GOLDEN

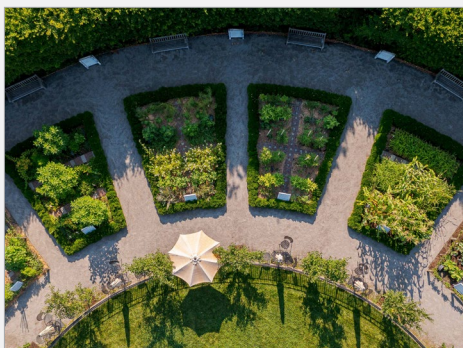
This summer NYBG presents a major site-specific exhibition by contemporary artist **Ebony G. Patterson**. The first artist to embed within the institution for an immersive residency, Patterson is working directly with NYBG's gardens and collections to create spaces that evoke the natural world while simultaneously using beauty as an invitation to confront larger societal questions about race, gender, class, and violence. Her exhibition will provoke questions about what is traditionally considered beautiful and what is often cast aside as unwelcoming or threatening, seducing viewers into acknowledging darker truths lurking ominously beneath lushly planted surfaces.

This event will celebrate the opening of the exhibition, on view beginning May 27, through a dynamic conversation between the artist and **Thelma Golden**, the world's premier curator of art of the African Diaspora and Director and Chief Curator of The Studio Museum in Harlem.



Ebony G. Patterson is an award-winning visual artist who works in a range of media to use beauty as a tool to address global injustices. Her work is held in the collections of major art institutions, including the Los Angeles County Museum of Art, The Studio Museum in Harlem, Whitney Museum of American Art in New York, Pérez Art Museum Miami, and National Gallery of Jamaica, among others. Most recently she was awarded the 2023 David C. Driskell Prize by the High Museum of Art in Atlanta.

Thursday, May 25 | 5:30–6:30 pm | Ross Hall | 234HRT808 | \$35/\$39



Symposium:

AFRICAN AMERICAN GARDEN: THE CARIBBEAN EXPERIENCE

SATURDAY, JUNE 17, 10 AM–12 PM | ROSS HALL

Curated by Dr. Jessica B. Harris, *African American Garden: The Caribbean Experience* will highlight the plants and gardening histories that are essential contributions to Caribbean foodways, including those that have been brought by Caribbean immigrants to the United States. This exhibition will open at the Edible Academy on June 17, the weekend of Juneteenth.

As part of the opening, this symposium will explore food stories of the Caribbean in two compelling sessions that consider history and memory, as well as the culinary journeys of both people and plants.

MANGOES, BREADFRUIT, CALLALOO, AND BOTTLE GOURDS:

Stories Told by Plants of the Caribbean

Jamaica Kincaid in Conversation with Dr. Jessica B. Harris

Award-winning author Jamaica Kincaid will sit down with Dr. Jessica B. Harris to talk about Caribbean plants and their associated narratives. This wide-ranging dialogue will cover topics such as Kincaid's writings on Caribbean gardens and gardening, as well as the associations certain plants have to culinary traditions first brought to the Caribbean by Africans and Europeans and then carried by immigrants to the United States. This conversation will touch on migration, adaptation, perseverance, and power, as manifested through plants.



Born in Antigua, **Jamaica Kincaid** is an award-winning Caribbean African American author best known for her evocative portrayals of family relationships, interwoven with themes of colonialism, gender, race, and class. She is also an accomplished gardener who has expanded the scope of garden writing in essays and memoirs, including her 2020 *New Yorker* essay "Disturbances of the Garden" and *My Garden (Book)*. She is a Professor of African American Studies at Harvard.



Dr. Jessica B. Harris is America's leading scholar on the food and foodways of the African Diaspora. Dr. Harris received the James Beard Lifetime Achievement Award in 2020, and she was named one of *Time* magazine's *100 Most Influential People of 2021*. In the same year, her book *High on the Hog* was adapted into a Netflix series; in 2022, the series won a Peabody and a NAACP Image Award, and was renewed for a second season. She serves on NYBG's Board of Trustees.

PRESERVING HISTORY: *The Power of Sugar in the Caribbean and Beyond*

Panel Discussion

In 2023 the entry bed of *African American Garden: The Caribbean Experience* will mimic a cane field to highlight the centrality of sugar to the region. Panelists will discuss the history and culture of the Caribbean, as well as the various roles played by sugar in the region—and beyond. Food historian **Dr. Scott Alves Barton** will moderate a discussion about the history and culture of the Caribbean, and the various roles played by sugar in the region—and beyond. Panelists include **Pierre Serrao**, co-founder of the popular Bronx-based culinary collective Ghetto Gastro; **Shannon Mustipther**, cocktail consultant, spirits educator, and author of the award-winning *Tiki: Modern Tropical Cocktails*; and **Dr. Maricel Presilla**, an award-winning author, culinary historian, chef, restaurateur, and a widely recognized expert on Latin American cuisine.

Admission is free;

Advance registration required

Register online at nybg.org/aagsymposium

Presented by NYBG's Humanities Institute with generous support from the Mellon Foundation



©Elissa Gore, *Cherry Valley*, Watercolor, elissagore.net

Botanical Art & Illustration

Contemporary botanical art captures the beauty of the natural world with precision, and our extraordinary instructors share their expertise in this nurturing yet rigorous program. NYBG offered North America's first formal botanical art certificate program, and has remained a leader in the discipline for more than three decades. Whether you are looking for personal enrichment or a professional credential, the NYBG Certificate is a prestigious indicator of mastery and accomplishment.

THE CERTIFICATE PROGRAM

The Botanical Art & Illustration requirements provide a solid foundation in scientifically accurate drawing based on observation and fine art techniques in a variety of media. Those who achieve the highest level of accomplishment receive a Certificate in Botanical Art & Illustration with Honors, an indication of superior work. For full program details and requirements for graduation, please visit nybg.org/ContEd.

CLASS MATERIAL: A materials list for every class is included in the course description on our website and in your confirmation email.

HOMEWORK: Homework will be assigned and it is expected that it will be completed in order to fully benefit from the class.

CERTIFICATE REQUIREMENTS

These core classes provide a strong, well-rounded foundation that prepares the student for higher-level classes. These classes can also be taken individually.

Course	Code	Hours	Page
Botanical Drawing I: Methods and Materials	BIL 301	18	6
Botanical Drawing II: Developing Your Skills	BIL 302 P	18	6
The Basics of Visual Composition (should be completed early)	BIL 421 P	18	6
Botanical Drawing III: Focus on Flowers	BIL 303 P	18	6
Plant Morphology for Botanical Artists	BIL 300 P	20	7
Botanical Watercolor I	BIL 331 P	24	7
Practical Aspects of Botanical Art**	BIL 392 P	10	—
<i>Plus one of the following:</i>			
Internet Tools for Creatives, Part I: Social Media**	BIL 394	5	—
Internet Tools for Creatives, Part II: Website**	BIL 395	7	—
Pen and Ink	BIL 400 P	18	7
Colored Pencil	BIL 415 P	18	7
<i>Elective courses</i>		54	
TOTAL REQUIRED HOURS		221*	

ELECTIVES

Students seeking a Certificate may focus their electives on watercolor, colored pencil, drawing—or they may choose a natural science concentration. Elective courses build on foundation skills and allow the student to tailor their direction of study.

Course	Code	Hours	Page
Botanical Watercolor II	BIL 332 P	18	7
Painting Orchids	BIL 399 P	15	6
Drawing Carnivorous Plants	BIL 389 P	8	7
Advanced Watercolor Techniques	BIL 424 P	9	7
Colored Pencil on Toned Paper	BIL 359 P	8	7
Bumblebees in Colored Pencil	BIL 396 P	6	7
Cool Colors of Spring	BIL 461 P	15	8
Painting Glowing Roses	BIL 446 P	15	8

*Plus a final project that meets Certificate standards

** Courses offered in Fall–Winter catalog

P Courses with a prerequisite before you can register

QUESTIONS? CONTACT THE PROGRAM COORDINATOR AT
BILCOORDINATOR@NYBG.ORG

FINAL PROJECT FOR CERTIFICATION: If you plan to graduate in June 2023, the final project due date is April 28, 2023. In order to be considered for graduation, you must submit a project proposal for approval to the Program Coordinator. You must also show your work-in-progress to the Coordinator at least once. Guidelines can be obtained by emailing continuinged@nybg.org.

Top right: *Jimson Weed*, 1936, ©Georgia O'Keeffe
Bottom right: *Oh My Darlin* (detail), Colored Pencil, Watercolor and Gouache on Stonehenge Craft Paper, ©Katy Lyness

**NEW! HISTORY OF BOTANICAL ART**

Embark on a historical exploration of botanical art. You'll trace the globe with author and curator Giovanni Aloï as he uncovers the critical role that botany has played in the advancement of movements, styles, and invention of new media. From Japan's Edo Period featuring artist Kano Sansetsu's Old Plum to present-day work by visual artist Christi Belcourt inspired by Métis and First Nations beadwork, you'll review the depiction of plants and flowers found in a variety of influential artworks across time. | \$475/\$525

Note: this course will be facilitated through Canvas, a learning management system that will allow access to course materials, course communication, and links to live Zoom sessions all in one place.

6 Tuesdays, 3/28–5/2, 6–8 pm | Giovanni Aloï | Online | 233BIL2850

BOTANICAL DRAWING FOR BEGINNERS

This intro class teaches you basic botanical illustration techniques to help you make realistic drawings of branches, stems, leaves, and flowers using graphite and colored pencil. | \$245/\$265

4 Wednesdays, 4/26–5/17, 11 am–2 pm | Sarah Wry | NYBG | 234BIL145A

4 Tuesdays, 5/16–6/6, 6–9 pm | Christiane Fashek | Online | 234BIL145BO

4 Mondays, 6/12–7/17 (no class 6/19, 7/3), 6–9 pm
Katy Lyness | Online | 234BIL145CO

4 Wednesdays, 7/12–8/2, 6–9 pm | Katy Lyness | Online | 241BIL145DO

4 Thursdays, 9/14–10/5, 11 am–2 pm | Scott Rawlins | Online | 241BIL145EO

BOTANICAL WATERCOLOR FOR BEGINNERS AND BEYOND

Designed for both inexperienced students and those who wish to improve their skills, this class will allow you to work at your own pace on a variety of pieces. Lectures and demonstrations are enhanced by individual instruction. \$365/\$400

5 Saturdays, 6/17–7/22 (no class 7/1), 11 am–3:30 pm
Laura Vogel | Online | 234BIL140AO

5 Mondays, 9/18–10/30 (no class 9/25, 10/9), 6–8:50 pm
Laura Vogel | Online | 241BIL140BO

COMPOSITION PLAIN AND SIMPLE

Make composition work for you! In this introductory overview, we will focus on a few key principles that will bring strength, balance, and the “wow” factor to your artwork in any medium. Analyze botanical art images, complete an in-class exercise, and participate in a critique of student art pieces that are emailed to the instructor in advance. | \$80/\$90

Friday, 8/18, 10 am–3 pm | Betsy Rogers-Knox | Online | 241BIL156O

*The Tri-State Botanical Artists of NYBG*

TSBA is a lively group of more than 90 artists who meet to engage in critiques, monthly art challenges, a sketchbook exchange, and topical discussions. We invite all current Certificate students and alumni to join us! See p. 39 for more information.

Weekend Watercolor Online Workshops

Capture the beautiful colors and unique details of many different botanical subjects. No previous drawing or painting experience is necessary.

SPRING TULIPS

Saturday, 4/22, 11 am–4:30 pm
Laura Vogel | Online | 234BIL2070

NEW! ROSE BUDS

Sunday, 5/7, 11 am–4:30 pm
Laura Vogel | Online | 234BIL1630

NEW! RADISHES WITH LEAVES

Saturday, 7/15, 11 am–4:30 pm
Sarah Wry | NYBG | 241BIL177

NEW! PERENNIAL HIBISCUS

Sunday, 6/11, 11 am–4:30 pm
Adele Rosetti | Online | 241BIL1100

JAPANESE CHRYSANTHEMUMS

Sunday, 9/10, 11 am–4:30 pm
Adele Rosetti | Online | 241BIL2690

Registration fee for each section: \$100/\$110

Enhance Your Skills!

Try your hand at these advanced workshops. Some previous experience recommended.

NEW! TULIPS IN DRY BRUSH WATERCOLOR

Saturday, 4/1, 11 am–4:30 pm
Karen Kluglein | Online | 234BIL1420

NEW! COMPOSITION: A DEEPER DIVE

Saturday, 5/20, 11 am–4:30 pm
Betsy Rogers-Knox | Online | 234BIL2880

NEW! MUSHROOMS IN DRY BRUSH WATERCOLOR

Saturday, 8/26, 11 am–4:30 pm
Margaret Saylor | Online | 241BIL1590

NEW! ACORNS IN DRY BRUSH

Sunday, 9/24, 11 am–4:30 pm
Gaye Grossman | Online | 241BIL1280

Registration fee for each section: \$130/\$145

CERTIFICATE CLASSES

Open to Non-Certificate students

BOTANICAL DRAWING I: METHODS AND MATERIALS

Accurate observation translates into sensitive, realistic drawings and is an essential skill for botanical artists. Using basic shapes, fruit, and leaves, learn contour drawing with an emphasis on proportion, and explore techniques such as foreshortening, perspective, and line weight. \$460/\$505 *Certificate Requirement*

6 Thursdays, 4/13–5/18, 6–9 pm
Linda Nemergut | Online | 234BIL301A0

6 Saturdays, 5/6–6/17 (no class 5/27), 11 am–2 pm
Scott Rawlins | Online | 234BIL301B0


6 Tuesdays, 6/6–7/18 (no class 7/4), 6–9 pm
Gaye Grossman | Online | 234BIL301C0

6 Thursdays, 6/29–8/3, 6–9 pm
Laura Vogel | Online | 234BIL301D0

6 Thursdays, 8/3–9/7, 11 am–2 pm
Christiane Fashek | Online | 241BIL301E0

6 Thursdays, 9/14–10/26 (no class 10/12), 6–9 pm
Christiane Fashek | Online | 241BIL301F0

BOTANICAL DRAWING II: DEVELOPING YOUR SKILLS

Learn to tone fruit, vegetables, leaves, and branches. Focus on concepts of light source, value, and shading to create form. Translate color into black and white, and create the illusion of depth and space in your work.  Prerequisite: *Botanical Drawing I* \$460/\$505 *Certificate Requirement*

6 Wednesdays, 5/24–6/28, 11 am–2 pm
Sarah Wry | NYBG | 234BIL302B


6 Saturdays, 7/8–8/12, 11 am–2 pm
Scott Rawlins | Online | 241BIL302C0

6 Tuesdays, 8/15–9/19, 6–9 pm
Gaye Grossman | Online | 241BIL302D0

6 Tuesdays, 9/12–10/17, 11 am–2 pm
Sarah Wry | NYBG | 241BIL302E

6 Thursdays, 9/21–10/26, 11 am–2 pm
Laura Vogel | Online | 241BIL302F0


BOTANICAL DRAWING III: FOCUS ON FLOWERS

Apply your understanding of contours, perspective, and tone to accurately draw three distinct, fully-toned flowering plants. Explore compositional possibilities, textures, and details.  Prerequisite: *Botanical Drawing II* \$460/\$505 *Certificate Requirement*

6 Thursdays, 7/13–8/17, 11 am–2 pm
Linda Nemergut | Online | 241BIL303A0

6 Thursdays, 9/21–10/26, 5:30–8:30 pm
Rose Marie James | Online | 241BIL303B0


THE BASICS OF VISUAL COMPOSITION

Forethought and an understanding of basic composition principles are the foundation of any balanced work of art. Through group critiques, discussions and a variety of exercises, we'll experiment with a wide range of principles, including focal point, the rule of thirds, value, and negative space that will help your artwork achieve maximum visual impact. This class is best taken early in your Certificate program.  Prerequisite: *Botanical Drawing II* | \$475/\$525 *Certificate Requirement*

4 Fridays, 4/14–5/5, 10 am–3 pm
Betsy Rogers-Knox | Online | 234BIL421A0

4 Saturdays, 9/23–10/21 (no class 10/7), 10 am–3 pm
Betsy Rogers-Knox | Online | 241BIL421B0

PAINTING ORCHIDS


Using specimens from *The Orchid Show*, learn to paint the exquisite beauty of these delicate flowers. During the first two sessions, Dick Rauh will walk you through putting different types of orchids under the microscope to focus on their fine details and special adaptations. Then, master orchid artist Carol Woodin will show you techniques to achieve the waxy textures, subtle colors, and graceful forms of this flower family. Each student will make a book-plate sized painting in the style of a botanical monograph.  Prerequisite: *Botanical Drawing II* | \$460/\$505 *Certificate Elective*

Thursday & Friday, 4/27 & 4/28, 10 am–12 pm & Monday & Tuesday, 5/1 & 5/2, 10 am–3:30 pm
Dick Rauh & Carol Woodin | NYBG & Online | 234BIL399BL



Illustration: *Phragmipedium kovachii*, Watercolor on vellum over panel, ©Carol Woodin


BOTANICAL WATERCOLOR I

This comprehensive class covers the basics. Learn how to use your brushes to make smooth, underlying washes, and create fine detail. Color theory teaches you how paints interact, and how to select the right colors for your subject. Paper selection, transferring preliminary drawings, and more round out this strong foundation.  Prerequisite: *Botanical Drawing II* | \$600/\$655
Certificate Requirement

8 Wednesdays, 5/17–7/12 (no class 7/5), 10 am–1 pm
Rose Marie James | Online | 234BIL331AO


8 Wednesdays, 9/13–11/1, 5:30–8:30 pm
Susan Sapanara | Online | 241BIL331BO

BOTANICAL WATERCOLOR II

Practice techniques learned in Botanical Watercolor I using live subjects such as leaves, stems, and fruit. Emphasis is on realistic portrayal of botanical subjects and traditional methods of dry brush watercolor painting, with attention to detail and color accuracy.  Prerequisite: *Botanical Watercolor I* | \$460/\$505 *Certificate Elective*


6 Mondays, 4/24–6/5 (no class 5/29), 5:30–8:30 pm
Rose Marie James | Online | 234BIL332O

COLORLED PENCIL

Colored pencil can be applied to look like either drawing or painting, making it a versatile medium for botanical art. Learn a variety of techniques including burnishing, tonal construction, and layering colors for different hues and densities.  Prerequisite: *Botanical Drawing II* | \$460/\$505
Certificate Requirement

6 Tuesdays, 6/13–7/25 (no class 7/4), 6–9 pm
Jeanne Reiner | Online | 234BIL415O

NEW! BUMBLEBEES IN COLORED PENCIL


Bumblebees pilot their remarkably un-aerodynamic bodies in and out of our gardens all throughout spring and summer. In this class, you'll take a closer look at their anatomy and learn how to use colored pencil techniques to illustrate the "fuzzy" texture of the body, the transparent opulence of the wings, and the smooth, shiny jet-black eyes.  Prerequisite: *Colored Pencil* | \$280/\$310
Certificate Elective

2 Fridays, 5/12 & 5/19, 10 am–1 pm
Jeanne Reiner | Online | 234BIL396O

Illustration: *Bee at rest*, Colored Pencil, ©Jeanne Reiner




DRAWING CARNIVOROUS PLANTS

Plants that "eat" animals have intrigued naturalists for centuries, from glistening sundews to vivid, almost erotic Venus flytraps. We'll focus specifically on accurately rendering the morphology of pitcher plants with their magnificent and intricately patterned, multicolored vases.  Prerequisite: *Botanical Drawing II* | \$380/\$415
Certificate Elective


4 Wednesdays, 5/3–5/24, 10 am–12 pm
Dick Rauh | Online | 234BIL389O

PEN AND INK

Pen and ink, among the most versatile and useful media, can be used to create high quality, easily reproducible drawings. Learn how to produce different strokes and how to create tone by using stipple, line, and crosshatch techniques.  Prerequisite: *Botanical Drawing II* | \$460/\$505
Certificate Requirement


6 Fridays, 7/7–8/11, 11 am–2 pm
Carol Ann Morley | Online | 241BIL400O

NEW! ADVANCED WATERCOLOR TECHNIQUES

How do we show those fine hairs on a kiwi, that mottled pattern on a pear, or the juxtaposition of the hard exterior of a pomegranate with the softness of its seeds? Texture and pattern fall into an area of watercolor rendering that requires special know-how. In this three-day course, you'll learn to observe and plan your approach, how light and shade are affected, and what special watercolor techniques are needed to successfully portray these eye-catching surfaces on paper.  Prerequisite: *Botanical Watercolor II* | \$380/\$415
Certificate Elective


3 Wednesdays, 9/6–9/20, 10 am–1 pm
Rose Marie James | Online | 241BIL424O

NEW! COLORED PENCIL ON TONED PAPER

Learn how toned paper creates dimension and allows for vibrant colors, dramatic light, and dark application—bringing your subject to life. Using colored pencil, watercolor, and gouache, you'll explore a variety of painting techniques as you study the color shifts caused by a toned substrate. You'll add finishing highlights that focus on sparkling and full value range.  Prerequisite: *Colored Pencil* | \$435/\$480 *Certificate Elective*

Tuesday & Thursday, 7/18 & 7/20, 6–9 pm &
Thursday, 7/27, 6–8 pm
Katy Lyness | Online | 241BIL359O

PLANT MORPHOLOGY FOR BOTANICAL ARTISTS

Examine the enormous variety of forms and structural adaptations of flowering plants—the world's dominant plant group. Through lectures, demonstrations, and laboratory studies, learn to recognize and draw the many plant parts and growth stages of the most common plant families.  Prerequisite: *Botanical Drawing I* | \$520/\$570
Certificate Requirement

8 Thursdays, 5/25–7/13, 5:30–8 pm
Dick Rauh | Online | 234BIL300AO


8 Wednesdays, 9/13–11/1, 10 am–12:30 pm
Dick Rauh | Online | 241BIL300BO

VISITING ARTISTS

Join us for these special workshops with Margaret Best and Billy Showell



NEW! COOL COLORS OF SPRING

Spring bursts with an array of glorious colors, especially those on the cool side of the spectrum—such as deep magenta, violet, lilac, purple, and more. Renowned botanical artist Margaret Best joins us from Canada in this 3-day online workshop to share her methods of accentuating these cool hues through watercolor. Focusing on subjects such as tulips, pansies, and crocuses, you'll learn how to test watercolor pigment, and gain an understanding of accurate color matching and effective blending techniques. Best will also share interesting facts about leading brands of watercolor and tips on how to utilize your color choices.  Prerequisite: *Botanical Watercolor I* | \$565/\$625 Certificate Elective

Friday–Sunday, 4/21–4/23, 10:30 am–4 pm
Margaret Best | Online | 234BIL4610

Illustration: *Viola sp., My garden pansies* (detail), Watercolor, ©Margaret Best

NEW! PAINTING GLOWING ROSES

Internationally renowned botanical artist Billy Showell joins us from England for a special 3-day online workshop. A master of the wet-on-wet watercolor technique, Showell will guide you through her methods of washing, lifting, and re-washing to create velvety smooth roses, a personal favorite of hers. A full-blown red shrub rose and a fading fuchsia and yellow tea rose will be your subjects as you learn to achieve soft, light-infused petals through layering and color application. With Showell's personalized instruction, you'll hone your skills as you create the texture and glowing beauty needed to bring roses to life on paper.  Prerequisite: *Botanical Watercolor I* | \$565/\$625 Certificate Elective

Friday–Sunday, 6/23–6/25, 10 am–3:30 pm
Billy Showell | Online | 234BIL4460



Illustration: *Summer Evening Rose* (detail), Watercolor, ©Billy Showell



Illustration: *Forest Floor*, Watercolor, ©Betsy Rogers-Knox

LAST CALL FOR ENTRIES

The Fifth NYBG Triennial

Unsung Allies: Mutualism in Fungi, Parasites, and Carnivores

Co-presented with the American Society of Botanical Artists

Submission Deadline: June 16, 2023

For more information, visit asba-art.org



©James Gurney, *Cleomes*, Casein

Botany

A botany class gives you a deeper understanding of how plants connect us to the natural world, and can be your gateway to herbal healing, cross-cultural understanding, and appreciation of nature's seasonal beauty.

THE CERTIFICATE PROGRAM

The NYBG Botany Certificate courses in subjects such as native flora, ethnobotany, ecology, and botanical nomenclature reflect the Garden's strengths in botanical science research, as well as its world-famous and unequalled resources—the William and Lynda Steere Herbarium, housing 7.8 million dried plant specimens, and the LuEsther T. Mertz Library, with its 550,000 volumes, 12,000 serial titles, and 11 million archival documents.

Over the course of the program, students will come to know how plants function, grow, develop, and reproduce—and learn to identify a wide array of plants by stems, leaves, flowers, and fruit.

CERTIFICATE REQUIREMENTS

Course	Code	Hours*	Page
Plant Structure	BOT 315	24	11
Plant Physiology**	BOT 316 P	21	—
Plant Diversity	BOT 317 P	24	11
Dendrology: Woody Plant Identification	BOT 375 P	15	11
Herbaceous Plant Identification	BOT 376 P	15	11
<i>One of the four Native Flora courses:</i>		12	
Native Flora in Autumn	BOT 331 P		11
Native Flora in Winter**	BOT 332 P		—
Native Flora in Spring	BOT 333 P		11
Native Flora in Summer	BOT 334 P		11
<i>Elective Credits (See current electives below)</i>		58	
TOTAL REQUIRED HOURS		169	

ELECTIVES

Course	Code	Hours*	Page
Nature's Pharmacy	BOT 346	4	10
Botanical Latin	GAR 360	12	10
Forest Ecology	BOT 326	12	10
Spring Mushrooms	BOT 330	6	10
Psychedelic Mushrooms	BOT 302	2	10
The Science of Tree Communication	BOT 385	6	10
Summer Mushrooms	BOT 356	6	10
Autumn Mushrooms	BOT 368	6	11
Intro to Ferns and Lycophytes	BOT 360	3	10

*Course hours do not include exam hours

**Courses offered in the Fall–Winter Catalog

P Courses with a prerequisite before you can register

BASIC PLANT ID

This is the class for plant-lovers eager to up their game! Learn the terminology and basic botanical nomenclature that will help you recognize and describe key differences in common plants. | \$155/\$170

3 Tuesdays, 5/9–5/23, 5:30–7:30 pm
Clara Holmes | Online | 234BOT308A0

3 Mondays, 7/31–8/14, 5:30–7:30 pm
Clara Holmes | Online | 241BOT308B0

SPRING MUSHROOMS

Discover how and where to hunt for Oysters, Inky Caps, Wine Caps, Dryad's Saddle, Reishi, and the early spring Chicken Mushroom. You'll also learn to correctly identify mushrooms, how to differentiate them from look-alikes, and cook or preserve them. \$155/\$170 *Certificate Elective*

2 Thursdays, 4/27 & 5/4, 10 am–1 pm
Paul Sadowski | NYBG & Off-Site | 234BOT330

NEW! URBAN FOREST ECOLOGY AND MANAGEMENT

Forests are crucial to our environment's survival—they purify the air we breathe and the water we drink, prevent erosion, and act as an important buffer against climate change. Led by Director of NYBG's Thain Family Forest Eliot Nagele, this class will provide an introductory overview of forest ecology, including ecological succession, plant communities, and non-native invasive species. Explore how forests develop over time and how these processes guide the management of our 50-acre Forest here in the Bronx. You'll have an opportunity to walk through it and see real-life examples of the concepts discussed in the classroom. | \$80/\$90

Friday, 4/28, 10 am–1 pm
Eliot Nagele | NYBG | 234BOT257

NATURE'S PHARMACY

Discover the many herbs and spices prized for centuries to heal, to revitalize the immune system, and to treat and prevent asthma, insomnia, flu, and more. | \$125/\$135 *Certificate Elective*

2 Saturdays, 5/6 & 5/13, 11 am–1 pm
Andrea Candee | Online | 234BOT3460

BOTANICAL LATIN

Botanical Latin is essential for anyone with a serious interest in identifying plants. But, contrary to popular belief, mastering Latin plant names need not be intimidating or boring. Review the rules of taxonomy, Latin grammar, and pronunciation, and learn the history of the binomial system in use today. | \$310/\$340 *Certificate Elective*

6 Thursdays, 6/22–7/27, 6–8 pm
Jennifer Bakshi | Online | 234GAR3600

THE SCIENCE OF TREE COMMUNICATION

Discover how trees communicate via chemical signals in the air (to warn of insect attacks) and transfer nutrients to one another through complex underground fungal networks (sometimes to assist sick trees). | \$155/\$170 *Certificate Elective*

3 Wednesdays, 7/12–7/26, 6–8 pm
Steve Kutos | Online | 241BOT3850

PSYCHEDELIC MUSHROOMS

Discover the power, the allure, and the science of psychedelic mushrooms, in particular the genus *Psilocybe*. Food journalist and former president of the New York Mycological Society, Eugenia Bone, author of *Mycophilia*, will discuss the biology of these potent fungi, their cultural history, and contemporary use and regulation in the U.S., as well as the efforts underway to decriminalize and utilize them in therapeutic practice. | \$65/\$70 *Certificate Elective*

Thursday, 5/25, 6–8 pm
Eugenia Bone | Online | 234BOT302A0

Thursday, 9/14, 6–8 pm
Eugenia Bone | Online | 241BOT302B0

FOREST ECOLOGY

Explore the basic principles that influence the ecological relationships of the forest ecosystem using the Garden grounds and Van Cortlandt Park as sites for observation and field study. \$310/\$340 *Certificate Elective*

2 Thursdays, 6/1 & 6/8, 7–9 pm & 2 Saturdays
6/3 & 6/10, 9 am–1 pm
Michael Gaige | Blended | 234BOT326BL

SUMMER MUSHROOMS

Chanterelles, Milk Caps, Black Trumpets, Boletes of all kinds, and many other choice edibles make their appearance in the steamy summer months. Learn how to sort through this abundance with hands-on techniques and observations. | \$155/\$170 *Certificate Elective*

2 Thursdays, 8/17 & 8/24, 10 am–1 pm
Paul Sadowski | NYBG & Off-Site | 241BOT356

NEW! INTRO TO FERNS AND LYCOPHYTES

Explore these two beautiful and intriguing groups of herbaceous plants. NYBG's Director of the William and Lynda Steere Herbarium Dr. Emily Sessa will take you through the basic aspects of ferns and lycophytes. Gain an understanding of their form and features, life cycle, as well as how to identify local native species and grow them successfully. Weather permitting, you'll apply what you've learned in the classroom as you walk the Garden grounds to practice keying and ID'ing ferns. \$80/\$90 *Certificate Elective*

Thursday, 8/10, 10 am–1 pm
Emily Sessa, Ph.D. | NYBG | 241BOT360



©João Araújo

NEW! THE BIOLOGY BEHIND ZOMBIE ANT FUNGI

Ants are ubiquitous organisms, commonly found throughout tropical forests worldwide, and estimated to comprise 4x the biomass of all vertebrates on Earth combined. Such dominance, not surprisingly, exposes ants to a range of pathogens—especially fungal parasites. Among those are *Ophiocordyceps*, the intriguing “zombie-ant fungi.” NYBG mycologist João Araújo, Ph.D., will share insights from his research—both in the lab and in the field—on the unusual adaptations of this fungus. These parasitic fungi, which inspired HBO's apocalyptic series *The Last of Us*, have evolved to take control of the ants they infect, and cause them to behave in ways they wouldn't otherwise. | \$80/\$90

Friday, 6/9, 11 am–1 pm
João Araújo, Ph.D. | NYBG | 234BOT241

CERTIFICATE CLASSES

Open to Non-Certificate students

NATIVE FLORA IN SPRING

Follow the bloom sequence of a wide variety of spring wildflowers, shrubs, and trees. Learn to identify native plants using taxonomic keys and family characteristics. You'll practice these skills using a 10X hand lens during walks in the Garden.

P Prerequisite: *Basic Plant ID* | \$310/\$340

Certificate Requirement

4 Saturdays, 4/15–5/6 (rain date 5/13), 10 am–1 pm
Nancy Slowik | NYBG | 234BOT333A

4 Thursdays, 4/20–5/11 (rain date 5/18), 10 am–1 pm
Nancy Slowik | NYBG | 234BOT333B

DENDROLOGY: WOODY PLANT IDENTIFICATION

Learn to identify the native and naturalized trees, shrubs, and woody vines of the Northeast by their vegetative characteristics using their scientific and common names. You'll also hone your ability to use taxonomic keys and field guides.

P Prerequisite: *Basic Plant ID* or *Plant Structure* | \$400/\$435

Certificate Requirement

4 Tuesdays, 4/11–5/2, 6–8 pm &
3 Sundays, 4/16–4/30, 10:30 am–1 pm
James Kaechele | NYBG & Online | 234BOT375BL

4 Wednesdays, 9/27–10/18, 6–8 pm &
3 Sundays, 10/1–10/22 (no class 10/8)
10:30 am–1 pm
James Kaechele | NYBG & Online | 241BOT375ABL

PLANT STRUCTURE

Get a solid grounding in the basic plant body—from the cell to the roots, stems, leaves, flowers, and fruit. We'll use dissecting and compound light microscopes to observe plant anatomy, then introduce the base-level chemistry required to understand the world of plants.

P Prerequisite: *Basic Plant ID* | \$590/\$650

Certificate Requirement

8 Mondays, 4/17–6/12 (no class 5/29), 6–9 pm
Jasmin Alim | Online | 234BOT315A0

8 Wednesdays, 9/20–11/8, 6–9 pm
Jasmin Alim | Online | 241BOT315B0

PLANT DIVERSITY

Explore the myriad structures and diverse life cycles of plants, algae, fungi, and bacteria. Discover how and why scientists have divided and classified these organisms.

P Prerequisite: *Plant Structure* | \$590/\$650

Certificate Requirement

8 Wednesdays, 5/10–6/28, 6–9 pm
Steve Kutos | Online | 234BOT3170

NATIVE FLORA IN SUMMER

Learn to identify native and introduced herbs, ferns, shrubs, and trees as they appear in summer, and get to know plants that may be found in fields, on roadsides, and in woodlands and wetlands. You will become familiar with their structure and taxonomy, and practice using taxonomic keys.

P Prerequisite: *Basic Plant ID* | \$310/\$340

Certificate Requirement

3 Thursdays, 6/8–6/22, 6–8 pm & 2 Saturdays
6/10 & 6/24 (rain date 6/25), 9 am–12 pm
Clara Holmes | NYBG & Online | 234BOT334BL

HERBACEOUS PLANT IDENTIFICATION

Study the characteristics that are fundamental to herbaceous plant identification. We will focus on broad-leaved plants rather than grasses, sedges, and rushes.

P Prerequisite: *Basic Plant ID* or *Plant Structure* | \$375/\$415

Certificate Requirement

3 Thursdays, 4/27–5/25, 5–7 pm &
3 Fridays, 5/5–5/19, 10 am–1 pm
Clara Holmes | NYBG & Online | 234BOT376

AUTUMN MUSHROOMS

In NYC, fall is the best time to hunt for edible fungi. Paul Sadowski, 25-year veteran of the NY Mycological Society, will lead a mushroom hunt, and show you how to identify many species and their look-alikes, where to find them, and how to cook or preserve them.

P Prerequisite: *Basic Plant ID* | \$155/\$170

Certificate Elective

2 Wednesdays, 9/13 & 9/20, 10 am–1 pm
Paul Sadowski | NYBG & Off-Site | 241BOT368

NATIVE FLORA IN AUTUMN

In autumn, our native Northeast flora can be spectacular, but difficult to identify. With a 10X power hand lens and a plant key, you'll learn to identify these wildflowers, shrubs, and trees on the Garden grounds.

P Prerequisite: *Basic Plant ID* | \$310/\$340

Certificate Requirement

4 Thursdays, 9/14–10/5 (rain date: 10/12)
10 am–1 pm
Nancy Slowik | NYBG | 241BOT331A

4 Saturdays, 9/16–10/14
(no class 10/7; rain date: 10/21), 10 am–1 pm
Nancy Slowik | NYBG | 241BOT331B





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Floral Design

The New York Botanical Garden is home to New York City's oldest and most prestigious Floral Design Program, and for over four decades has sent hundreds of graduates on to enjoy rewarding careers. Take an individual course for fun, or pursue a Certificate in Floral Design—either way, you'll develop the mastery and confidence to express yourself through flowers.

THE CERTIFICATE PROGRAM

The NYBG Certificate is a nationally recognized mark of excellence in floral design that tells the world you have the talent and knowledge to interpret changing trends and provide creative design solutions. With comprehensive hands-on instruction from industry pros, you'll create dozens of original floral designs for all occasions, gain a solid grounding in floral theory and history, and develop the contacts and business savvy you need to advance your career or manage your own business.

FOR ALL STUDENTS:

- For in-person classes, we provide all materials, except a floral knife and pruners. To purchase a tool kit, including knife, wire cutter, scissors, and pruners, email continuinged@nybg.org.
- For online classes, please see each individual course description on our website for a list of hard goods (containers, tools, etc.) you must purchase or have on hand before class.

CERTIFICATE REQUIREMENTS


Certificate students must complete 142 total course hours (116 required + 26 elective), plus an 80-hour internship. Students are also required to submit a portfolio showcasing photos of class assignments and their own unique creations. For a complete description of the program, including internship and portfolio requirements, please visit our website.

Course	Code	Hours	Page
Fundamentals of Form	FDN 300	16	15
Fundamentals of Style	FDN 302 P	16	15
Wedding Design I: Personals	FDN 304 P	18	15
Color Theory for Floral Design	FDN 306	6	15
Flower ID from A to Z	FDN 308	6	15
Interior Plantscapes**	FDN 310	8	—
Shopping the New York Flower Market	FDN 400 P	4	15
Modern Sympathy Designs**	FDN 382 P	6	—
Wedding Design II: Ceremony & Reception	FDN 305 P	16	15
Grand-Scale Arrangements	FDN 502 P	8	15
Event Planning for the Floral Designer	FDN 504 P	12	15
<i>Elective courses</i>		26	
TOTAL REQUIRED HOURS		142	

ELECTIVES

Course	Code	Hours	Page
Styling Flowers for Photography	FDN 312	2	14
Arranging with Cherry Blossoms	FDN 383	3	13
Compote Arrangement	FDN 349	4	13
Late-Spring Splendor	FDN 309	3	13
Sustainable Design Techniques	FDN 452	6	14
Celebrating Spring Flowers	FDN 396	3	13
Modern Farmhouse	FDN 395	2	14
Heirloom Garden Roses: Styling Nature	FDN 366	2	13
Exploring Tablescape: Floral Runners	FDN 362	4	13
Sculptural Headpieces	FDN 316	2	14
The Mystique of Orchids	FDN 397	2	14
Materials as Muse: Making Art with Flowers	FDN 323	3	14
Foraged Florals: Summer Bouquet	FDN 340	3	14

**Courses offered in the Fall–Winter Catalog

 Courses with a prerequisite before you can register

QUESTIONS? CONTACT THE PROGRAM COORDINATOR AT
FDNCOORDINATOR@NYBG.ORG

SUMMER INTENSIVE PROGRAM

July 10–August 11

Jump-start your career in Floral Design! In just five weeks, complete all classroom credits required for the NYBG Certificate, so you can get started on your internship requirement at your convenience.

CLASSES

Fundamentals of Form | Fundamentals of Style | Wedding Design I: Personals | Wedding Design II: Ceremony & Reception | Color Theory for Floral Design | Flower ID from A to Z | Interior Plantscapes | Modern Sympathy Designs | Shopping the Flower Market | Grand-Scale Arrangements | Event Planning | Three Specialty Electives

Monday–Friday, July 10–August 11, 10 am–5 pm | NYBG | 241FDN950

TUITION AND REFUNDS

\$6,960 (Member) /\$7,660 (Non-Member)

Tuition includes all flowers, supplies, and a complete set of tools.

A \$1,995 non-refundable deposit is due at registration.

An optional payment schedule is available if requested. No refunds after June 26.

Questions about the Intensive?

Call 718.817.8720 or email: continuinged@nybg.org

**FLOWER ARRANGING WITH STORE-BOUGHT BOUQUETS**

Create your own professional-looking arrangements with economical, store-bought bouquets. Using simple design principles and fresh flowers from your local grocery store or farmers market, learn how to design and create your own eye-catching arrangements. \$50 materials fee. | \$55/\$60

Friday, 5/5, 11 am–1 pm

Takako Matsui | NYBG | 234FDN210

EXPLORING TABLESCAPES: FLORAL RUNNERS

Use color theory, repetition, and rhythm to create a cohesive blooming centerpiece that spans the length of a wedding table, mantel, or buffet. We will practice designing these accent pieces in segments for easy transport. \$135 materials fee. | \$125/\$135 *Certificate Elective*

Saturday, 4/8, 10 am–2:30 pm

Barbara Mele | NYBG | 234FDN362

NEW! ARRANGING WITH CHERRY BLOSSOMS

Immerse yourself in the beauty and charm of the cherry blossom, this iconic Japanese flower also known as *sakura*. An adored springtime favorite, the cherry blossom and its branches add striking elegance to any arrangement. Learn how to condition these branches and explore what other flowers and plant material pair nicely with them as you compose your design in a tall glass vase. \$170 materials fee. | \$135/\$150 *Certificate Elective*

Friday, 4/14, 10 am–1 pm

Takako Matsui | NYBG | 234FDN383

NEW! CELEBRATING SPRING FLOWERS

Make use of spring's gorgeous bounty as you style a cheerful centerpiece bursting with tulips, hyacinths, fritillaria, calla lilies, daffodils, and more. Explore the qualities and characteristics of spring-flowering bulbs as you learn how to manipulate them to create a unique, modern design. \$135 materials fee. | \$135/\$145 *Certificate Elective*

Sunday, 5/21, 10 am–1 pm

Barbara Mele | NYBG | 234FDN396

LATE-SPRING SPLENDOR

Late spring ushers in a bounty of blooms. Use the season's abundance to create a lush, verdant arrangement that includes flowering branches, an array of perennial flowers, and late-flowering bulbs. \$170 materials fee. | \$135/\$150 *Certificate Elective*

Wednesday, 5/24, 5–8 pm

Joshua Werber | NYBG | 234FDN309

COMPOTE ARRANGEMENT

Learn the techniques and secrets for creating chic, vintage-inspired arrangements in a trendy footed container. Walk through the step-by-step process of crafting a lush, romantic centerpiece. \$160 materials fee. \$135/\$150 *Certificate Elective*

Wednesday, 5/31, 10:30 am–3 pm

Nsombi Woodson | Online | 234FDN3490

HEIRLOOM GARDEN ROSES: STYLING NATURE

Taking creative inspiration from 19th- and 20th-century English gardens, craft a stunning centerpiece that evokes a bygone era. Learn easy and sustainable design techniques to combine delicate shades of heirloom rose varieties such as Kahala, Amnesia, Quicksand, Pink Sensation, and Early Grey in a white ceramic urn for an exquisite, modern design. \$135 materials fee. | \$125/\$135 *Certificate Elective*

Thursday, 6/1, 11 am–1 pm

Trish O'Sullivan | New Canaan | 234FDN366



Design with Orchids

Guided by floral artist Joshua Werber, use specimens from this year's *Orchid Show* to compose stunning floral arrangements. These special workshops will allow you to expand your design palette and aesthetic—take one or sign up for both!

NEW! THE MYSTIQUE OF ORCHIDS

The intricate structure of orchids has beguiled cultures across the globe for centuries. Learn how best to showcase their sensual beauty as you design an arrangement using a variety of unusual specimens straight from *The Orchid Show*. You'll have a wide variety of plant material to choose from as you create, all while drawing inspiration from Joshua's lush aesthetic and sculptural approach to flowers. This class will feature foam-free mechanics. \$75 materials fee. | \$230/\$255 *Certificate Elective*

Thursday, 4/27, 11 am–1 pm
Joshua Werber | NYBG | 234FDN397

NEW! SCULPTURAL HEADPIECES: ORCHIDS

Joshua Werber's playful headpieces are certain to delight, as his many followers on Instagram readily attest. In this special workshop, Joshua will discuss how to use botanical materials from *The Orchid Show* to design headpieces that showcase these special blooms. Learn the basic mechanics needed to create unique forms, while experimenting with making a bold statement of your own. \$75 materials fee. | \$230/\$255 *Certificate Elective*

Thursday 4/27, 2–4 pm
Joshua Werber | NYBG | 234FDN316

Register for both: \$550/\$610 | 234FDN488

Major Support: GUERLAIN PARIS Janet Traeger Salz
Charitable Trust

LuEsther T. Mertz Charitable Trust
Providing leadership support for year-round programming at NYBG

NEW! MODERN FARMHOUSE

Learn how to craft a loose, romantic floral arrangement that evokes the free-flowing nature of meadows. Discover how to sustainably source and style a variety of plant material as you artfully blend heirloom roses and ranunculus with field flowers and grasses such as asters, coneflowers, daisies, vines, and ferns. You'll compose this modern farmhouse design in a creamware vase. \$135 materials fee. | \$125/\$135 *Certificate Elective*

Wednesday, 6/14, 6–8 pm
Trish O'Sullivan | Online | 234FDN3950

STYLING FLOWERS FOR PHOTOGRAPHY

Professional prop stylist Robin Zachary shares creative ways to style and photograph your finished floral arrangements for use on your website, portfolio, and/or social media accounts. Learn how to design a set with a variety of backdrops and props in different styles and discover tips on how to find the optimal spots to capture these photos in your home or studio. Please be advised that this class is focused on photography and styling. As such, participants will not be creating floral arrangements. | \$65/\$70 *Certificate Elective*

Saturday, 7/15, 11 am–1 pm
Robin Zachary | Online | 241FDN3120

MATERIALS AS MUSE: MAKING ART WITH FLOWERS

What is the line between art and decoration? Think beyond the confines of "pretty" and consider flowers in terms of line, gesture, texture, and form. We will examine the colors and patterns of masterworks from NYBG's latest exhibition, then create sculptural interpretations in dialogue with that work. Then, unleash your creativity and design a creation inspired by an artwork of your choice. \$180 materials fee. | \$125/\$135 *Certificate Elective*

Saturday, 7/22, 11 am–2 pm
Joshua Werber | NYBG | 241FDN323

NEW! FORAGED FLORALS: SUMMER BOUQUET

Create a linear, Ikebana-inspired design using locally sourced flowers, foliage, and herbs—such as lace-cap hydrangea, cosmos, nandina, miscanthus grass, thyme, and purple basil. Valerie Braverman of Brave Floral will share insights and guidance on how best to identify and ethically source plant material as you compose your arrangement using foam-free mechanics and the proper vessel. \$135 materials fee. | \$125/\$135 *Certificate Elective*

Saturday, 8/26, 10 am–1 pm
Valerie Braverman | NYBG | 241FDN340

SUSTAINABLE DESIGN TECHNIQUES

Learn how different tools can be used to anchor flowers and achieve unique shapes without the use of floral foam. Each session, you'll focus on a specific sustainable tool—floral pin frogs, aluminum wire, supple branches, and folded foliage—to create beautiful, contemporary floral arrangements that are well supported and naturally organic. | \$180/\$200 *Certificate Elective*

3 Thursdays, 9/7–9/21, 6–8 pm
Rose G. Edinger | Online | 241FDN4520



CERTIFICATE CLASSES

Open to Non-Certificate students


FUNDAMENTALS OF FORM

Learn the basics of successful floral design and master the mechanics needed for round, triangular, parallel, and crescent arrangements. Experiment with shape, line, and symmetry while composing beautiful, balanced creations. \$290 materials fee. \$420/\$470 *Certificate Requirement*

4 Saturdays, 4/15–5/6, 10:30 am–3 pm
Barbara Mele | NYBG | 234FDN300A

4 Saturdays, 9/9–9/30, 10:30 am–3 pm
Barbara Mele | NYBG | 241FDN300B

FUNDAMENTALS OF STYLE

The ability to command a broad vocabulary of styles defines the professional floral designer. From Neo-Classical and Victorian to English garden and Flemish, understanding floral styles expands your design options, evokes specific moods, and helps create the perfect setting. \$290 materials fee.  Prerequisite: *Fundamentals of Form* | \$420/\$470 *Certificate Requirement*

4 Thursdays, 5/4–5/25, 10 am–2:30 pm
Nsombi Woodson | NYBG | 234FDN302A

4 Saturdays, 6/10–7/8 (no class 7/1)
10 am–2:30 pm
Barbara Mele | NYBG | 234FDN302B


COLOR THEORY FOR FLORAL DESIGN

Colors—like flowers themselves—evoke feelings and set the mood. Explore the role of color in floral design across a spectrum of flowers. This course gives you a solid grounding in color theory, while highlighting popular hues and color combinations. \$210/\$230 *Certificate Requirement*

3 Tuesdays, 4/25–5/9, 6–8:30 pm
Rose G. Edinger | Online | 234FDN306A0

3 Mondays, 7/17–7/31, 6–8:30 pm
Rose G. Edinger | Online | 241FDN306B0

WEDDING DESIGN I: PERSONALS


Flowers are crucial for a memorable wedding. Learn the art of successful floral wedding design, including fine wiring and taping to create corsages and boutonnieres with fresh flowers, ribbons, and bows. Advance to styling and assembling bridal and bridesmaid bouquets. \$290 materials fee.  Prerequisite: *Fundamentals of Style* | \$420/\$470 *Certificate Requirement*

4 Thursdays, 6/8–6/29, 10 am–2:30 pm
Nsombi Woodson | NYBG | 234FDN304



EVENT PLANNING FOR THE FLORAL DESIGNER

In addition to exquisite design, a successful event requires a well-conceived plan. Learn how to write a sales proposal based on cost analysis, finalize the terms of the design contract, and order and organize materials, personnel, and deliveries, all within a specified budget and timeline. Learn how to stage décor for large-scale event arrangements, design cocktail receptions, and develop formal and informal tablescape. \$195 materials fee.

 Prerequisite: *Wedding Design I* | \$300/\$330 *Certificate Requirement*

3 Wednesdays, 4/19–5/3, 10 am–2:30 pm
Thomas Cawley | NYBG | 234FDN504


WEDDING DESIGN II: CEREMONY & RECEPTION

Design and create arrangements appropriate for the ceremony, season, and setting, including aisle and altar designs, pew arrangements, and banquet table centerpieces. Work with a remarkable array of flowers, foliage, and fabrics to create captivating garlands and columns. We'll discuss a variety of ceremonial styles, including chuppahs, in both outdoor and indoor venues. \$290 materials fee.

 Prerequisite: *Wedding Design I* | \$420/\$470 *Certificate Requirement*

4 Tuesdays, 5/16–6/6, 10 am–2:30 pm
Thomas Cawley | NYBG | 234FDN305

SHOPPING THE NEW YORK FLOWER MARKET


Learn to navigate the bustling New York flower district! Discover where to get the best flowers and hard goods from the pros. Your confirmation email will include where we will meet in the flower district. Dress for the weather. Lunch is not included.  Prerequisite: *Fundamentals of Form* \$100/\$110 *Certificate Requirement*

Wednesday, 5/17, 9 am–12:30 pm
Nsombi Woodson | Off-site | 234FDN400A

Wednesday, 6/14, 9 am–12:30 pm
Nsombi Woodson | Off-site | 234FDN400B

Wednesday, 8/16, 9 am–12:30 pm
Nsombi Woodson | Off-site | 241FDN400C

GRAND-SCALE ARRANGEMENTS

Full, lavish arrangements to enhance entrance halls, ballrooms, parties, and hotels are always in demand. Learn the mechanics behind how these dramatic arrangements are designed and constructed. \$240 materials fee.  Prerequisite: *Wedding Design II* | \$245/\$265 *Certificate Requirement*

2 Tuesdays, 6/20 & 6/27, 10 am–2:30 pm
Thomas Cawley | NYBG | 234FDN502

FLOWER ID FROM A TO Z

Learn to identify new floral varieties of old favorites, seasonal flowers, and various foliage. Topics include special handling requirements of many flower types. \$210/\$230 *Certificate Requirement*

3 Tuesdays, 8/15–8/29, 6–8:30 pm
Rose G. Edinger | Online | 241FDN3080



©Maryann Burton, *The Lorillard Snuff Mill*, Watercolor

Gardening





Now more than ever, people are realizing the physical, social, and psychological benefits of home and community gardening. Whether you are pursuing a Certificate or just looking for a fun class, NYBG is a great place to increase your gardening knowledge and improve your skills. Taught by top professionals, each course provides cutting-edge information on ecologically responsible garden care and design, including plant use, soil husbandry, composting, and pest control.

THE CERTIFICATE PROGRAM

Upon completion of the NYBG Gardening Certificate Program, students will:

- Create beautiful and ecologically sound gardens that combine trees, shrubs, perennials, annuals, and bulbs.
- Be proficient in identifying, selecting, cultivating, and caring for trees and shrubs, vegetables, flowers, and fruit.
- Have the confidence to grow and maintain home, terrace, or community gardens.
- Understand the essential concepts of sustainable gardening practices for trees, shrubs, lawns, perennials, and vegetables.


CERTIFICATE REQUIREMENTS

Course	Code	Hours	Page
Fundamentals of Gardening	GAR 301	12	20
Introduction to Plant Science	HRT 300	16	24
Soil Science for Gardeners	GAR 302	12	20
Gardening with Native Plants	GAR 315	8	20
Insect Identification and Management	GAR 320	12	20
Disease Identification and Management	GAR 324	12	20
Fundamentals of Garden Design	GAR 342 	12	20
Vegetable Gardening	GAR 431 	12	20
Complete Garden Care and Maintenance	GAR 440 	18	20
Pruning Principles and Practices**	HRT 321	15	—
Plants for Landscaping	HRT 358	16	25
Plant Propagation I: Basic Principles	HRT 411 	18	25
<i>Elective GAR or HRT courses</i>		23	
TOTAL REQUIRED HOURS		187	

ELECTIVES

Course	Code	Hours	Page
Basics of Perennial Maintenance	GAR 323	6	18
Container Gardening	GAR 327	8	17
Botanical Latin	GAR 360	12	20
Spring-Blooming Native Plants	GAR 216	4	19
Intro to Herbs	GAR 333	6	19
The Native Pollinator Garden	GAR 340	4	19
Summer-Blooming Native Plants	GAR 212	4	19
Knowing and Growing Roses	GAR 361	4	18
The Native Garden in Fall and Winter	GAR 369	4	19
Sustainable Gardening	GAR 375	4	18

**Courses offered in the Fall–Winter Catalog

 Courses with a prerequisite before you can register

For professional organizations, see p. 39.

**QUESTIONS? CONTACT THE PROGRAM COORDINATOR AT
GARCOORDINATOR@NYBG.ORG**

INTRO TO LANDSCAPE DESIGN

Gain an introduction to the terminology, concepts, and basic principles of landscape design through lectures and simple two-dimensional exercises. \$195/\$215

See p. 28 for full list of dates and times.

PRUNING: HOW, WHEN, AND WHERE

Learn proper pruning techniques for maintaining shrubs, evergreens, hedges, and trees. Recommended tool choices and their maintenance will be discussed. Shrub pruning demonstration included. | \$95/\$105

Saturday, 4/1, 10 am–2:30 pm
Ann Perkowski | New Canaan | 234GAR236

INTRODUCTION TO BULBS

Discover the best ways to plant and prune your bulbs so they'll keep blooming year after year. Common problems and solutions for a successful growing season will also be covered. | \$55/\$59

2 Mondays, 4/4 & 4/11, 5–6:30 pm
Michael Hagen | Online | 224GAR2870

CONTAINER GARDENING

Learn how to create a container garden for your patio, terrace, or entryway that's both functional and gorgeous—and helps your plants thrive in all four seasons. | \$245/\$265 *Certificate Elective*

4 Thursdays, 4/13–5/11 (no class 4/20)
10 am–12 pm
Renee Marsh | Online | 234GAR327A0

4 Fridays, 9/29–10/27 (no class 10/6)
10 am–12 pm
Renee Marsh | Online | 241GAR327B0

SUMMER INTENSIVE PROGRAM

July 10–July 28



In just three weeks, complete more than 40% of the coursework required for the Certificate and gain a solid base in the principles of environmentally sound gardening from expert professionals. You'll also see how these principles are put into practice through curator-led tours of various Garden collections.

CLASSES

Fundamentals of Gardening | Soil Science for Gardeners | Gardening with Native Plants | Insect ID & Management | Container Gardening | Plants for Landscaping | Fundamentals of Garden Design | Curator-Led Tours

Monday–Friday, July 10–July 28, 9 am–4 pm | NYBG | 241GAR950

TUITION AND REFUNDS

\$2,025 (Member) / \$2,250 (Non-Member)

A \$935 non-refundable deposit is due at registration.

An optional payment schedule is available if requested. No refunds after June 26.

Questions about the Intensive?

Call 718.817.8720 or email: continuinged@nybg.org

SOIL BASICS: GET IT RIGHT!

Rich, nutritious soil makes for large, healthy plants and reduces the need for regular fertilization. Learn the difference between soil structure and texture; how these differences affect plant growth; and how to modify and improve your soil. Give your garden a solid foundation, and you'll reap the benefits for years to come. | \$60/\$65

Saturday, 4/15, 10 am–12 pm
Duncan Himmelman, Ph.D. | New Canaan
233GAR225C



The Orchid Show: Natural Heritage

February 18–April 23, 2023

In celebration of this annual exhibition, we offer classes to immerse you in the world of orchids.

PHALAEOPSIS CARE

Myths abound about how hard it is to care for this ever-popular orchid. Dispel them with sensible advice on how to treat your *Phalaenopsis* so it blooms year after year. Light, water, nutrients, repotting, and root care are all key. | \$60/\$65

Thursday, 4/27, 6–8 pm
Christopher Satch | Online | 234GAR2130

NEW! HARDY ORCHIDS

Orchids are most often associated with tropical paradises and exotic climates but these perennial herbs are actually native to every continent except Antarctica. Hardy orchids are those genera that can survive winter conditions outdoors in temperate or colder climates. In this class, you'll learn where to find these hardy orchids and how to incorporate them into your own garden or collection. A demonstration will be included on how to plant a *Cypripedium* orchid in soil. | \$60/\$65

Saturday, 4/29, 11 am–1 pm
Barbara Schmidt | Online | 234GAR213AO

Major Support: GUERLAIN PARIS Janet Traeger Salz
Charitable Trust

LuEsther T. Mertz Charitable Trust
Providing leadership support for year-round programming at NYBG

SHRUBS: THE BACKBONE OF THE GARDEN

Transform your garden into a low-maintenance, colorful space by selecting the right shrubs that will bring you pleasure for the entire growing season. We'll discuss the fabulous foliage and minimal upkeep required for new varieties on the market, as well as tried-and-true favorites. | \$80/\$90

Saturday, 5/6, 9:30–11:30 am
Lorraine Ballato | Online | 234GAR2410

PERENNIAL PLANT COMBINATIONS

Whether in a shady corner or a sunny border, selecting the right plant combinations can turn a ho-hum garden into one that gets rave reviews. Concentrating on perennials, learn to combine color, texture, height, and bloom to create a harmonious garden come spring. | \$105/\$116

2 Wednesdays, 5/3 & 5/10, 10 am–12 pm
Renee Marsh | Online | 234GAR1730

BASICS OF PERENNIAL MAINTENANCE

Learn the basics of successfully cultivating perennials in a variety of garden settings, including site selection, soil preparation, tools, planting techniques, maintenance practices, plant selection, landscape use, and design basics. | \$125/\$135 *Certificate Elective*

3 Tuesdays, 5/16–5/30, 6–8 pm
Jennifer Cappello-Ruggiero | Online | 234GAR3230

LANDSCAPE FOR CURB APPEAL

Make a great first impression by creating a welcoming entry garden for your home. Review examples that work for different architectural styles, and develop plant lists that fit the specific needs of every type of front yard. | \$60/\$65

Saturday, 4/22, 11 am–1 pm
Daryl Beyers | Online | 234GAR3260

KNOWING AND GROWING ROSES: AN OVERVIEW

Expert rosarian Shauna Moore walks you through the history of a wide variety of rose types and classifications while explaining how to select the best ones for your garden. On a walk through the Peggy Rockefeller Rose Garden, she'll share practical tips on how to successfully grow and care for them. | \$85/\$95 *Certificate Elective*

2 Sundays, 6/11 & 6/25, 9:30–11:30 am
Shauna Moore | NYBG & Online | 234GAR361BL

BONSAI FOR BEGINNERS WORKSHOP

Learn how to turn ordinary nursery stock into a living work of art. We'll cover the five major styles of bonsai along with plant and container selection, branch and root pruning, wiring, and potting. Please bring sturdy chopsticks and good pruning shears to class. | \$205/\$225

Saturday, 6/24, 11 am–4:30 pm
John Capobianco | NYBG | 234GAR912

NEW! SUSTAINABLE GARDENING

Do you want to create an eco-friendly garden that is also beautiful and functional? Sustainable gardening hinges on a gardener's ability to develop a long-term strategy by employing tactics that conserve natural resources over time. Explore how to make the most of your lawn, promote native species, and control insects and pests with safe, organic methods. You'll walk away with a firm understanding of sustainable practices that encompass soil health, water management, and habitat support for birds and pollinators. | \$125/\$135 *Certificate Elective*

2 Saturdays, 9/16 & 9/23, 10:30 am–12:30 pm
Vincent Simeone | Online | 241GAR3750

GARDENING STRATEGIES FOR THE CLIMATE CRISIS

Small steps can have big effects. Learn how the plants you choose and the landscape practices you use can help reduce the impacts of climate change and improve the environment around you. | \$105/\$116

2 Sundays, 9/17 & 9/24, 10 am–12 pm
Kim Eierman | Online | 241GAR3790



Focus on Native Plants

SPRING-BLOOMING NATIVE PLANTS

Explore the plethora of spring-blooming perennials and woody plants native to the Northeast, including underutilized gems such as Spring Beauties, Wild Pink, Running Serviceberry, and Azaleas. Study their ecological benefits such as feeding early-emerging pollinators, and learn the cultural requirements of each species. | \$85/\$95 *Certificate Elective*

2 Fridays, 4/7 & 4/14, 9:30–11:30 am
Kim Eierman | Online | 234GAR2160

THE NATIVE POLLINATOR GARDEN

Explore best practices for gardening to attract our native pollinators and provide appropriate food and habitat for a diverse array of species. Learn to select the right plant species for particular pollinators such as *Monarda didyma* for hummingbirds or *Monarda fistulosa* for bumble bees. | \$85/\$95 *Certificate Elective*

2 Saturdays, 6/10 & 6/17, 10:30–12:30 pm
Kim Eierman | NYBG | 234GAR340

SUMMER-BLOOMING NATIVE PLANTS

Discover plants native to our region that flower in summer such as Hairy Penstemon, Spotted Beebalm, Shrubby St. John's Wort, and Northern Bush Honeysuckle. Learn how to choose the right plants for your landscape conditions and explore the benefits they provide to your garden's ecosystem for pollinators, birds, and other wildlife. | \$85/\$95 *Certificate Elective*

2 Sundays, 7/9 & 7/16, 10:30 am–12:30 pm
Kim Eierman | NYBG | 241GAR212

THE NATIVE GARDEN IN FALL AND WINTER

Explore which native plants will extend the color show and textural interest in your garden through fall and winter, with beautiful foliage, striking structure, colorful branches, berries, and seed pods. | \$85/\$95 *Certificate Elective*

2 Saturdays, 10/14 & 10/21, 10:30 am–12:30 pm
Kim Eierman | NYBG | 242GAR369

Get Ready for Spring Vegetable Gardening

Grow your own veggies and herbs with guidance from NYBG's experts. These classes will help you start a vegetable garden, or make the most of the garden you have.

GET MORE FROM YOUR VEGETABLE GARDEN

Learn techniques such as succession and companion planting, intercropping, and vertical growing to achieve a steady harvest and enjoy a wide variety of delicious crops. We'll focus on sustainable practices that help gardeners work with nature. | \$60/\$65

Sunday, 5/7, 10 am–12 pm
Nick Storrs | Online | 234GAR1340

INTRO TO HERBS

Herbs are a perennial favorite for backyard, container, rooftop, and apartment gardeners. Medicinal, dye, ornamental, and culinary herbs offer benefits to you as a gardener and to your garden ecosystem. In this introductory course, learn how to set up a successful herb garden or improve your existing plantings, how to select the right seeds and plants for your site, and the basics of cultivation and care. | \$125/\$135 *Certificate Elective*

2 Tuesdays, 4/4 & 4/18, 6:15–7:45 pm
Annie Novak | Online | 234GAR3330

MASTERING THE ART OF TOMATO GARDENING

Learn how to plant and care for a healthy, organic tomato garden. We'll focus on selecting the right plants for your space, as well as starting plants from seed, transplanting, and grafting. | \$75/\$85

3 Tuesdays, 5/9–5/23, 6:15–7:45 pm
Annie Novak | Online | 234GAR1430



CERTIFICATE CLASSES

Open to Non-Certificate students

FUNDAMENTALS OF GARDENING

This course is also required for the Therapeutic Horticulture Certificate.

Explore the basics of successful, environmentally friendly gardening. Topics include soils and their improvement, seed sowing, vegetative propagation, planting, pruning, watering, weeding, mulching, and disease and pest control. | \$310/\$340 *Certificate Requirement*

6 Thursdays, 4/20–5/25, 6–8 pm
Anna Bakis | Online | 234GAR301AO

6 Wednesdays, 5/17–6/21, 6–8 pm
Daryl Beyers | Online | 234GAR301BO

6 Thursdays, 6/15–7/20, 10 am–12 pm
Renee Marsh | NYBG | 234GAR301C

6 Thursdays, 8/17–9/21, 10 am–12 pm
Renee Marsh | Online | 241GAR301DO

SOIL SCIENCE FOR GARDENERS

Understand how soil qualities affect overall plant productivity and make sustainable gardening possible. Topics include soil formation and physical properties; soil-water relationships; irrigation, drainage, and fertilization techniques; and basic soil sampling, pH, and nutrient testing. *Note: This is not the same class as Soil Science I (HRT301).* \$300/\$330 *Certificate Requirement*

6 Saturdays, 4/22–6/3 (no class 5/27)
10:30 am–12:30 pm
Dave Bulpitt | Online | 234GAR302O

BOTANICAL LATIN

Botanical Latin is essential for anyone with a serious interest in identifying plants. But, contrary to popular belief, mastering Latin plant names need not be intimidating or boring. Review the rules of taxonomy, Latin grammar, and pronunciation, and learn the history of the binomial system in use today. | \$310/\$340 *Certificate Elective*

6 Wednesdays, 5/3–6/7, 10:30 am–12:30 pm
Jennifer Bakshi | Online | 234GAR360O


GARDENING WITH NATIVE PLANTS

Learn how native plants enhance gardens and augment biodiversity. Study native herbaceous and woody plants: their identification, habitat, and culture. Hear about the significance of woodland soils, and how to promote a healthy environment to support spring ephemerals, summer perennials, shrubs, and trees. | \$225/\$250 *Certificate Requirement*

4 Mondays, 5/1–5/22, 6–8 pm
Kim Eierman | Online | 234GAR315AO

4 Sundays, 8/6–8/27, 10:30 am–12:30 pm
Kim Eierman | NYBG | 241GAR315B


VEGETABLE GARDENING

Examine pre-planting procedures, from soil preparation to crop rotation planning. Study the timing and techniques of planting, pest management, and harvest and post-harvest handling. Survey heirloom varieties, new cultivars, and classic selections.  Prerequisite: *Fundamentals of Gardening* | \$280/\$305 *Certificate Requirement*

6 Thursdays, 5/11–6/15, 6–8 pm
Stephen Nocera | Online | 234GAR431AO

6 Wednesdays, 9/6–10/11, 6–8 pm
Stephen Nocera | Online | 241GAR431BO

COMPLETE GARDEN CARE AND MAINTENANCE

Learn sustainable garden and landscape maintenance techniques, including planting methods, plant care, and maintenance regimens for trees, shrubs, lawn, and perennial gardens. Discuss site analysis and plant selection, organic gardening practices, and how to create a calendar of landscape and garden tasks.  Prerequisite: *Fundamentals of Gardening* | \$470/\$520 *Certificate Requirement*


6 Wednesdays, 5/31–7/12
(no class 7/5, rain date 7/19), 4:30–7:30 pm
Mabee Weinstein | NYBG | 241GAR440A

DISEASE IDENTIFICATION AND MANAGEMENT

It's essential to identify plant diseases before they become widespread in your garden. Explore the basics of disease management, and learn how the principles of Integrated Pest Management (IPM) can help you maintain a strong and healthy garden. \$300/\$330 *Certificate Requirement*

6 Tuesdays, 9/12–10/17, 6:15–8:15 pm
Mark Kokinchak | Online | 241GAR324O

FUNDAMENTALS OF GARDEN DESIGN

This class introduces basic garden design principles using the interplay of structural features, plant characteristics, and site assessment. Learn to creatively combine trees, shrubs, perennials, annuals, and bulbs based on color, shape, texture, and size.  Prerequisite: *Plants for Landscaping* \$300/\$330 *Certificate Requirement*

5 Thursdays, 6/22–7/20, 6–8:30 pm
Daryl Beyers | Online | 234GAR342O

5 Wednesdays, 10/18–11/15, 10 am–12:30 pm
Daryl Beyers | Online | 242GAR342AO

INSECT IDENTIFICATION AND MANAGEMENT

Pest identification is key to maintaining a healthy garden. Identify which common insects are pests and which are beneficial. Learn the most common orders of insects and the damage they can cause, as well as simple, non-toxic methods of preventing major infestations. Please bring samples of insects and damaged plants to class. *Note: This is not the same class as HRT381 with the same name.* \$300/\$330 *Certificate Requirement*

6 Saturdays, 9/16–10/28 (no class 10/7)
10 am–12 pm
Mark Kokinchak | Online | 241GAR320O

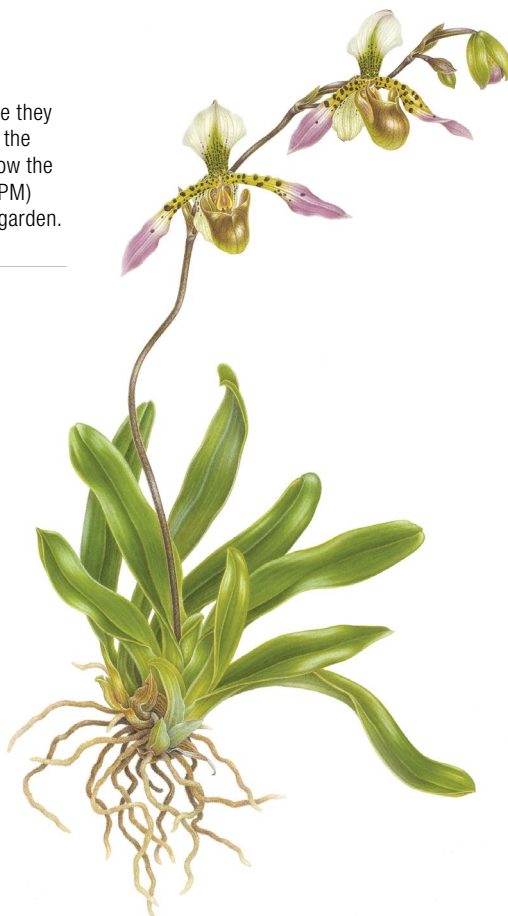


Illustration: *Paphiopedilum lymniae*; Watercolor on vellum over panel, ©Carol Woodin



Saturday Gardening Workshops

Vegetable Gardening

Saturday, April 15 | 10 am–5 pm | NYBG

10 am–12 pm

SEED STARTING PRIMER

Starting your own seeds allows you to have an earlier harvest. This class covers the basics, including how to choose what seeds to start, as well as the proper location, lighting, containers, watering techniques, and soil mixes to ensure your success.

Nick Gershberg | NYBG | 234GAR201B

12:45–2:45 pm

VEGETABLE GARDENING BASICS

Whether you're a novice or an experienced grower, you'll get more from your garden this season with these time-tested techniques for site selection and soil preparation. We'll also discuss optimal planting times and harvesting strategies.

Chris Satch | NYBG | 234GAR201C

3–5 pm

PROTECT YOUR PLANTS FROM PESTS

Learn a variety of environmentally friendly and sustainable ways to minimize or eliminate pests in your veggie garden, including promoting beneficial insects that attack bad bugs.

Nick Storrs | NYBG | 234GAR201D

Registration fee for an individual section: \$60/\$65
All Three Sections: \$130/\$145 | 234GAR201A

All About Containers Saturday

Saturday, May 20 | 10 am–5 pm | NYBG

10 am–12 pm

CONTAINER GARDENING 101

Learn the basics for planting and maintaining a healthy outdoor container garden: materials and container styles, potting mixes, fertilization, and watering.

Michael Troy Brown | NYBG | 234GAR200B

12:45–2:45 pm

GREAT NATIVE PLANTS FOR CONTAINERS

Learn which native plants are the best choices to use successfully in containers. Even if you don't have room for a perennial garden, you can still invite nature into your yard, patio, or balcony with some great native plants in containers. The butterflies, beneficial insects, hummingbirds, and pollinators will thank you.

Kim Eierman | NYBG | 234GAR200C

3–5 pm

DESIGNING WITH CONTAINERS

Learn a comprehensive approach to designing with containers, including how, when, where, and why you should use a particular pot in one spot over another. Gain tips and tricks for great plant combinations in containers of all kinds.

Richard Rosiello | NYBG | 234GAR200D

Registration fee for an individual section: \$60/\$65
All Three Sections: \$130/\$145 | 234GAR200A

Garden Varieties: Seasonal All-Stars

Dig deeper into the history and cultivation of a favorite genus.

WEATHERPROOF HYDRANGEAS

Gardening in areas with wildly fluctuating temperatures and conditions can be a tricky business if you lust for colorful and robust hydrangea flowers. Learn what measures you can take to improve the growth and growth frequency of these favored blooms, starting with right plant, right place to much more. | \$60/\$65

Saturday, 3/25, 11 am–1 pm

Lorraine Ballato | Online | 233GAR2720

NEW! DAZZLING DAFFODILS

Narcissus—the genus of the deservedly ever-popular daffodils—add color and cheer to every garden. In this class you'll receive an overview of these perennial spring-flowering bulbs, and their evolution through history, breeding, and cultivation. You'll visit NYBG's Daffodil Hill for a visual delight as you learn helpful tips and tricks to growing them successfully in your own garden. | \$60/\$65

Saturday, 4/22, 2–4 pm

Michael Hagen | NYBG | 234GAR264



NEW! OLD GARDEN ROSES

Explore the many classifications of heirloom roses as you delve into their history, lore, and beauty. You'll gain a better understanding of the importance of this beloved flower type and why we must continue to grow and maintain them in our gardens. Plus, you'll visit NYBG's Peggy Rockefeller Rose Garden to see what particular classifications are in bloom. | \$60/\$65

Saturday, 8/19, 11 am–1 pm

Sauna Moore | NYBG | 241GAR290



©Brad Marshall, *NYBG Azalea Garden*, Oil

Horticulture

Develop the vital skills needed to protect and manage sustainable landscapes, maintain healthy trees, design attractive gardens, and produce landscape plants. Enroll in a single class or pursue a Horticulture Certificate.

THE CERTIFICATE PROGRAM

Increasing concerns for environmental quality, conservation, and restoration are driving strategies nationwide at landscaping companies, nurseries and garden centers, public parks, botanical gardens, and private estates. The NYBG Horticulture Certificate is a NY State-licensed credential that helps professionals to enhance their profiles and individuals to pursue new green careers. Taught by landscape and horticulture experts, this unique program blends classroom theory with field studies in the Garden's historic landscape, offering a high standard of training in four areas of concentration: Plant Production, Sustainable Landscape Management, Arboriculture, and Sustainable Garden Design.

CERTIFICATE REQUIREMENTS**Course Code Hours* Page****Plant Production TRACK 1**

Introduction to Plant Science	HRT 300	16	24
Soil Science I: Physical Properties	HRT 301	18	24
Soil Science II: Chemistry and Nutrition	HRT 302 P	18	24
Horticultural Techniques: Greenhouse Practices**	HRT 312 P	15	—
Insect Pests of Landscape Plants	HRT 381 P	18	25
Plant Propagation I: Basic Principles	HRT 411 P	18	25
Plant Propagation II: Applications **	HRT 412 P	18	—
Disease Identification & Management	HRT 481 P	18	25
Nursery and Greenhouse Management **	HRT 491 P	24	—
TOTAL REQUIRED HOURS		163	

Course Code Hours* Page**Sustainable Landscape Management TRACK 2**

Introduction to Plant Science	HRT 300	16	24
Soil Science I: Physical Properties	HRT 301	18	24
Soil Science II: Chemistry and Nutrition	HRT 302 P	18	24
Horticultural Techniques: Landscape Gardening	HRT 311 P	18	24
Pruning Principles and Practices**	HRT 321 P	15	—
Basic Design and Installation of Irrigation Systems**	HRT 323	12	—
Business Practices for the Landscape Professional	LAN 457	12	25
Insect Pests of Landscape Plants	HRT 381 P	18	25
Tree Management**	HRT 422 P	14	—
Landscape Management**	HRT 443 P	24	—
Disease Identification & Management	HRT 481 P	18	25
Invasive Weed ID & Management **	HRT 482 P	12	—
Mathematics for Horticulturists**	HRT 356	6	—
TOTAL REQUIRED HOURS		201	

**Course Code Hours* Page****Arboriculture TRACK 3**

Introduction to Plant Science	HRT 300	16	24
Soil Science I: Physical Properties	HRT 301	18	24
Soil Science II: Chemistry and Nutrition	HRT 302 P	18	24
Tree Climbing for Arborists	HRT 304	15	25
Chainsaws: Use, Safety, and Maintenance**	HRT 308	6	—
Pruning Principles and Practices**	HRT 321 P	15	—
Landscape Plants: Fall Trees and Shrubs	HRT 331 P	12	25
Landscape Plants: Conifers**	HRT 333 P	12	—
Landscape Plants: Spring Trees and Shrubs	HRT 334 P	12	24
Insect Pests of Landscape Plants	HRT 381 P	18	25
Tree Management**	HRT 422 P	14	—
Urban Tree Care**	HRT 426 P	12	—
Winter Tree Identification**	HRT 440 P	8	—
Disease Identification & Management	HRT 481 P	18	25
TOTAL REQUIRED HOURS		194	

Sustainable Garden Design TRACK 4

Introduction to Plant Science	HRT 300	16	24
Soil Science I: Physical Properties	HRT 301	18	24
Landscape Plants: Broadleaved Evergreens**	HRT 332 P	9	—
Landscape Plants: Spring Trees and Shrubs	HRT 334 P	12	24
Landscape Plants: Spring Perennials	HRT 336 P	9	25
Landscape Plants: Late Season Perennials & Grasses	HRT 338 P	12	25
Landscape Plants: Annuals	HRT 341 P	8	25
Landscape Plants: Bulbs**	HRT 342 P	12	—
Annual and Perennial Garden Maintenance**	HRT 344 P	8	—
Plants for Landscaping	HRT 358	16	25
Plant Communities	HRT 140	6	25
Sustainable Garden Care	HRT 395 P	8	25
Sustainable Garden Design**	HRT 551 P	20	—
Landscape Design History	LAN 301	24	29
Graphics I	LAN 311	24	29
TOTAL REQUIRED HOURS		202	

*Course hours do not include exam hours

**Courses offered in the Fall–Winter Catalog


P Courses with a prerequisite before you can register

For professional organizations, see p. 39.

QUESTIONS? CONTACT THE PROGRAM COORDINATOR AT
HRTCOORDINATOR@NYBG.ORG

EXPAND YOUR SKILL SET

NEW! APPLE GRAFTING MASTER CLASS

Sam Van Aken's famed conservation work, *Tree of 40 Fruit*, contains multiple varieties of apples, peaches, plums, apricots, and cherries that blossom and produce fruit sequentially. In this hands-on master class, explore the basics of grafting different varieties of apples, and hear how old and new grafting technologies allow Van Aken to create public art that also serves as environmental preservation. To support local community gardens, most trees grafted in this special master class will be donated.  Prerequisite: *Intro to Plant Science* | \$185/\$205

Saturday, 4/22, 2:30–4 pm
Sam Van Aken | NYBG | 234HRT362

CUT FLOWER FARMING

Design, plant, and harvest a cutting garden that's productive throughout the seasons. You'll get hands-on practice starting seeds to ensure you always have something fresh to cut. We'll cover traditional and unexpected annual and perennial cut flower species and varieties that grow well locally. | \$180/\$200

3 Thursdays, 7/20–8/3, 11 am–1 pm
Anne Marie Breyer | Online | 241HRT1420

GROWING CANNABIS

Study the entire cannabis growing cycle, including best practices for critical harvest and post-harvest procedures, and how artificial lighting and carbon dioxide enrichment can help maximize production. We'll discuss the pros and cons of different grow sites and media, with an extra emphasis on hydroponic production. We'll also cover the fundamentals of laws regulating cannabis production in the tri-state area. \$210/\$230

6 Mondays, 6/5–7/24 (no class 6/19 & 7/3)
6–8 pm
Matthew DeBacco & Kelly Crosson | Online
234HRT156AO

6 Wednesdays, 8/9–9/13, 6–8 pm
Matthew DeBacco & Kelly Crosson | Online
241HRT156BO

CERTIFICATE CLASSES

Open to Non-Certificate students

INTRODUCTION TO PLANT SCIENCE

ALL TRACKS

This user-friendly intro course surveys the major plant groups—flowering plants, conifers, ferns, and bryophytes—focusing on their form and structure. Become botanically literate and gain practical experience in dissecting and analyzing plant structures. | \$420/\$470

8 Tuesdays, 4/18–6/6, 10:30 am–12:30 pm
Martha Bucuvalas | Online | 234HRT300AO

8 Saturdays, 4/29–6/24 (no class 5/27)
10:30 am–12:30 pm
Leslie Day, Ph.D. | Online | 234HRT300BO

6 Fridays, 5/12–6/23 (no class 5/26), 10 am–1 pm
Levi O'Brien | NYBG | 234HRT300C

8 Tuesdays, 6/13–8/8 (no class 7/4), 6–8 pm
Nina Naghshineh | Online | 234HRT300DO

8 Thursdays, 7/13–8/31, 6–8 pm
Anna Bakis | Online | 241HRT300EO

8 Saturdays, 8/5–9/30 (no class 9/2)
10:30 am–12:30 pm
Leslie Day, Ph.D. | Online | 241HRT300FO

8 Wednesdays, 9/6–10/25, 6–8 pm
Martha Bucuvalas | Online | 241HRT300GO

SOIL SCIENCE I ALL TRACKS


Soil is a dynamic, living organism and the very foundation of sustainable horticulture and agriculture. This course focuses on the texture, structure, density, and color of different soils and the dynamic relationship that exists among soil, water, and plants. Through lectures and at-home labs, learn irrigation and drainage techniques and explore how soil, organic matter, and microbiology relate to plant health and soil conservation. \$480/\$525

9 Thursdays, 5/4–6/29, 6–8 pm
Katharhy | Online | 234HRT301AO

9 Saturdays, 8/19–10/28 (no class 9/2 & 10/7)
11 am–1 pm
David Bulpitt | Online | 241HRT301CO


7 Wednesdays, 9/20–11/1[†], 11 am–2 pm
George Lozefski | NYBG | 241HRT301D

SOIL SCIENCE II: CHEMISTRY AND NUTRITION TRACKS 1, 2, & 3

Go beyond basic soil chemistry and examine how a soil's pH affects what nutrients are available to plants. Explore the ionic exchange capacities of soil, the complex nitrogen cycle, and the effects of composted soil amendments and fertilizers. Discover how soil and plant tissue tests can help monitor plant nutrition and health.  Prerequisite: *Soil Science I* | \$420/\$470


7 Wednesdays, 5/17–6/28[†], 11 am–2 pm
George Lozefski | NYBG | 234HRT302

HORTICULTURAL TECHNIQUES: LANDSCAPE GARDENING TRACK 2

Learn the basics of ecologically-appropriate landscape gardening. Topics include soil preparation, efficient watering and fertilization, planting and transplanting, cultivation, and plant maintenance.  Prerequisite: *Intro to Plant Science and Soil Science I* | \$480/\$525

6 Tuesdays, 4/11–5/16 (rain date 5/23)
4:30–7:30 pm
Mobee Weinstein | NYBG | 234HRT311

LANDSCAPE PLANTS: SPRING TREES AND SHRUBS TRACK 3 & 4

Learn the identification, classification, and landscape use of spring-flowering trees and shrubs. Major plant groups include *Magnolia*, *Malus*, *Prunus*, *Viburnum*, and other genera, which are particularly ornamental in spring.  Prerequisite: *Intro to Plant Science* | \$310/\$340

6 Fridays, 4/7–5/19 (no class 5/5)
10:30 am–12:30 pm
Vincent Simeone | NYBG | 234HRT334A

4 Saturdays, 4/15–5/20 (no class 4/22, 5/6)
9 am–12 pm
Owen McLaughlin | NYBG | 234HRT334B

5 Wednesdays, 4/19–5/17, 10 am–12:25 pm
Duncan Himmelman, Ph.D. | NYBG | 234HRT334C

[†] The start time for all sections is as listed; end times vary. See website for the full schedule.

 Exam on last class date.

PLANTS FOR LANDSCAPING TRACK 4

Choose the right plant for the right place, based on site-specific design and maintenance criteria. Learn landscape values such as size, texture, color, and flowering and fruiting seasons. Review trees, shrubs, groundcovers, annuals, and perennials suitable for this region. | \$420/\$470

6 Saturdays, 4/15–5/20, 10 am–12:40 pm
Valerie D'Antonio | NYBG | 234HRT358A

6 Sundays, 4/16 & 5/21, 10 am–1 pm, 4/23–5/14 2–5 pm
Timothy Nolan | NYBG & Online | 234HRT358CBL

6 Sundays, 6/11–7/30 (no class 6/18 & 7/2) 11 am–1:40 pm
Timothy Nolan | NYBG | 234HRT358D

6 Saturdays, 9/16–10/28 (no class 10/7) 10 am–12:40 pm
Valerie D'Antonio | NYBG | 241HRT358A

DISEASE IDENTIFICATION & MANAGEMENT TRACKS 1, 2, & 3

Learn common diseases of woody and herbaceous ornamentals and turfgrass, and the cultural, biological, and least-toxic strategies for their control. 📖 Prerequisite: *Intro to Plant Science* \$500/\$550

6 Thursdays, 4/13–5/18, 10:30 am–1:30 pm
Mark Kokinchak | NYBG | 234HRT481

LANDSCAPE PLANTS: SPRING PERENNIALS TRACK 4

This course is designed for horticulturists and gardeners who are familiar with the basic culture of perennials. Study how to identify, classify, and use 60 spring-blooming perennials in the landscape. Review scientific and common names. 📖 Prerequisite: *Intro to Plant Science* | \$235/\$260

4 Sundays, 4/23–5/21 (no class 5/14) 10 am–12:15 pm
Shauna Moore | NYBG | 234HRT336B

4 Tuesdays, 5/2–5/23, 10 am–12:40 pm
Michael Ruggiero | NYBG | 234HRT336C

4 Sundays, 4/16–5/21 (no class 4/23, 5/14) 10 am–12 pm
Duncan Himmelman, Ph.D. | NYBG | 234HRT336A

SUSTAINABLE GARDEN CARE TRACK 4

Explore how to create a healthy garden while supporting biodiversity and conserving resources. We'll discuss ways to minimize water usage, effectively handle stormwater, create a healthy soil food web, and use non-toxic alternatives to maintain optimal plant health. 📖 Prerequisites: *Intro to Plant Science* and *Soil Science* | \$210/\$230

4 Mondays, 4/24–5/15, 6–8 pm
Steve Conaway | NYBG | 234HRT395A

INSECT PESTS OF LANDSCAPE PLANTS TRACKS 1, 2, & 3

Learn to identify the insects common to the northeastern United States that feed on woody and herbaceous plants and the damage that they cause. Study how to judge the severity of an infestation and to select and implement control measures based on the insect's biology. 📖 Prerequisite: *Intro to Plant Science* | \$460/\$505

6 Saturdays, 6/3–7/15 (no class, 7/1) 10:30 am–1:30 pm
Mark Kokinchak | NYBG | 234HRT381

PLANT COMMUNITIES TRACK 4

Fundamentally change the way you view natural landscapes by learning about the complex factors that inform which plants grow in what combinations. Understanding how and why these plant communities form will help you design beautiful landscapes that are more resilient, diverse, and harmonious. | \$180/\$200

2 Wednesdays, 5/31 & 6/7, 6–7:30 pm and Saturday, 6/3, 10 am–1 pm
Jessica Schuler | NYBG & Online | 234HRT353ABL

2 Tuesdays, 9/19 & 9/26, 6–7:30 pm & Saturday 9/23, 10 am–1 pm
Jessica Schuler | NYBG & Online | 241HRT353BBL

PLANT PROPAGATION TRACK 1

Learn principles and techniques of plant propagation by seed and cuttings. Explore basic sexual and asexual propagation, focusing on fruit development, seedling production, root initiation, stem and leaf cuttings, and layering. 📖 Prerequisite: *Intro to Plant Science* | \$500/\$550

6 Mondays, 6/5–7/24 (no class 6/19, 7/3) 5:30–8:30 pm
Mabee Weinstein | NYBG | 234HRT411A

7 Thursdays, 9/28–11/9, 10 am–1 pm
Michael Ruggiero | NYBG | 241HRT411B

LANDSCAPE PLANTS: ANNUALS TRACK 4

Study the identification, culture, and landscape use of approximately 60 annuals and select tender perennials, including major groups of common species and more unusual types. Learn how to choose low-maintenance plants, and review scientific and common names. 📖 Prerequisite: *Intro to Plant Science* | \$210/\$230

4 Fridays, 6/23–7/14, 9–11 am
Vincent Simeone | NYBG | 234HRT341A

4 Saturdays, 7/8–7/29, 9–11 am
Michael Ruggiero | NYBG | 241HRT341B

LANDSCAPE PLANTS: LATE SEASON PERENNIALS & GRASSES TRACK 4

This course is designed for horticulturists and gardeners who are familiar with the basic culture of perennials. Learn the identifying characteristics, classification, scientific and common names, and landscape uses of approximately 60 summer- and fall-blooming native and non-native perennials and grasses. 📖 Prerequisite: *Intro to Plant Science* \$310/\$340

6 Tuesdays, 9/12–10/17, 4–6pm
Michael Hagen | NYBG | 241HRT338A

5 Thursdays, 9/28–10/26, 11 am–2 pm
Avviah Rossi | NYBG | 241HRT338B

TREE CLIMBING FOR ARBORISTS TRACK 3

Designed for people interested in arboriculture, this course will help students develop their climbing skills. Learn techniques such as rope setting, knot tying, body thrusting, doublecrotching, foot locking, and limb walking. Taught on Garden grounds, this class offers expert instruction and critique. Wear comfortable clothing, sturdy work or hiking boots, and light leather or cloth gloves. All other equipment is provided. | \$460/505

3 Saturdays, 9/9–9/30 (no class 9/16, rain date 10/14), 9 am–2:30 pm
TBA | NYBG | 241HRT304

BUSINESS PRACTICES FOR THE LANDSCAPE PROFESSIONAL TRACK 2

Study how to effectively organize and operate a small landscape business that will sustain itself and earn a profit. Learn how to attract new clients, position oneself in a crowded market, and choose the right type of business model. Gain experience in preparing proposals and contracts, pricing services and materials, and creating budgets. You will walk away from this class with a basic plan to guide you in creating a successful business. | \$310/\$340

6 Wednesdays, 9/20–10/25, 10:15 am–12:15 pm
Jessica Zavaglia | Online | 241LAN4570

LANDSCAPE PLANTS: FALL TREES AND SHRUBS TRACK 3

Explore how to identify and use shade trees and shrubs that are native to and thrive in our region, including Acer, Quercus, and Viburnum, which are particularly ornamental in fall. 📖 Prerequisite: *Intro to Plant Science* | \$310/\$340

5 Tuesdays, 10/10–11/7, 10 am–1 pm
Michael Ruggiero | NYBG | 242HRT331A



©Garin Baker, *At the Garden*, Oil on linen

Landscape Design

The need to develop, preserve, and protect our open spaces and environmental and cultural resources has never been greater. NYBG's engaging program gives you a solid, plant-focused foundation to help build skills you can use at home and beyond. Join us by taking a single class for pleasure or pursuing a professional Certificate in Landscape Design.

THE CERTIFICATE PROGRAM

Whether you're just starting to pursue your passion or taking your expertise to the next level, the NYBG Landscape Design Certificate distinguishes your portfolio and showcases your skills development. Outstanding instructors who are working professionals guide you through a comprehensive program, where you will:

- Analyze existing landscapes, identify site-specific problems, and develop design solutions.
- Prepare planting plans that are practical, sustainable, and aesthetically pleasing for a variety of projects.
- Demonstrate skills associated with site engineering practices, principles, and techniques.
- Develop strategies for success using skills in planning, pricing, purchasing, and more.

CERTIFICATE REQUIREMENTS

Course	Code	Hours	Page
TIER 1— Introductory Classes			
Landscape Design History	LAN 301	24	29
Graphics I	LAN 311	24	29
Landscape Measurement	LAN 340	12	29
Landscape Plants: Fall Trees and Shrubs	HRT 331 P	12	25
Landscape Plants: Spring Trees and Shrubs	HRT 334 P	12	24
Plants for Landscaping	HRT 358	16	25
TIER 2			
Landscape Design I: Site Analysis and Schematic Design	LAN 401 P	24	29
Landscape Design II: Design Development	LAN 402 P	24	29
Estimating**	LAN 380 P	9	—
Graphics II: DynaSCAPE	LAN 427 P	24	29
Site Materials and Details**	LAN 422 P	24	—
TIER 3			
Grading & Drainage**	LAN 428 P	30	—
Graphics III: Photoshop**	LAN 417 P	24	—
Landscape Design III: Planting Design	LAN 403 P	24	29
Business Practices for Landscape Professional	LAN 457	12	29
Landscape Design IV: Design and Construction**	LAN 520 P	33	—
Portfolio and Presentation Skills**	LAN 555 P	15	—
TOTAL REQUIRED HOURS		343	

**Courses offered in the Fall–Winter Catalog

P Courses with a prerequisite before you can register

For professional organizations, see p. 39.

QUESTIONS? CONTACT THE PROGRAM COORDINATOR AT
LANCOORDINATOR@NYBG.ORG

**SUMMER INTENSIVE PROGRAM**

July 10–August 4



In four weeks, earn 25% of the course hours required for the NYBG Certificate in Landscape Design. Including interactive classes with top landscape architects, designers, and guest lecturers; trips to historic sites; and the Garden's incomparable resources, this summer program gets your career on the fast track!

CLASSES

Landscape Design History | Graphics I | Landscape Design I | Plants for Landscaping | NYBG Curator-Led Tours | Off-Site Garden Visits | Guest Designer Presentations | Open Studio Time

Monday–Friday, July 10–August 4, 9 am–5 pm | NYBG | 241LAN960

TUITION AND REFUNDS

\$2,835 (Member) / \$3,150 (Non-Member) / Materials Fee

A \$1,285 non-refundable deposit is due at registration.

Students are required to purchase other supplies for the Intensive as outlined in our online materials list, which total approximately \$400.

An optional payment schedule is available if requested.

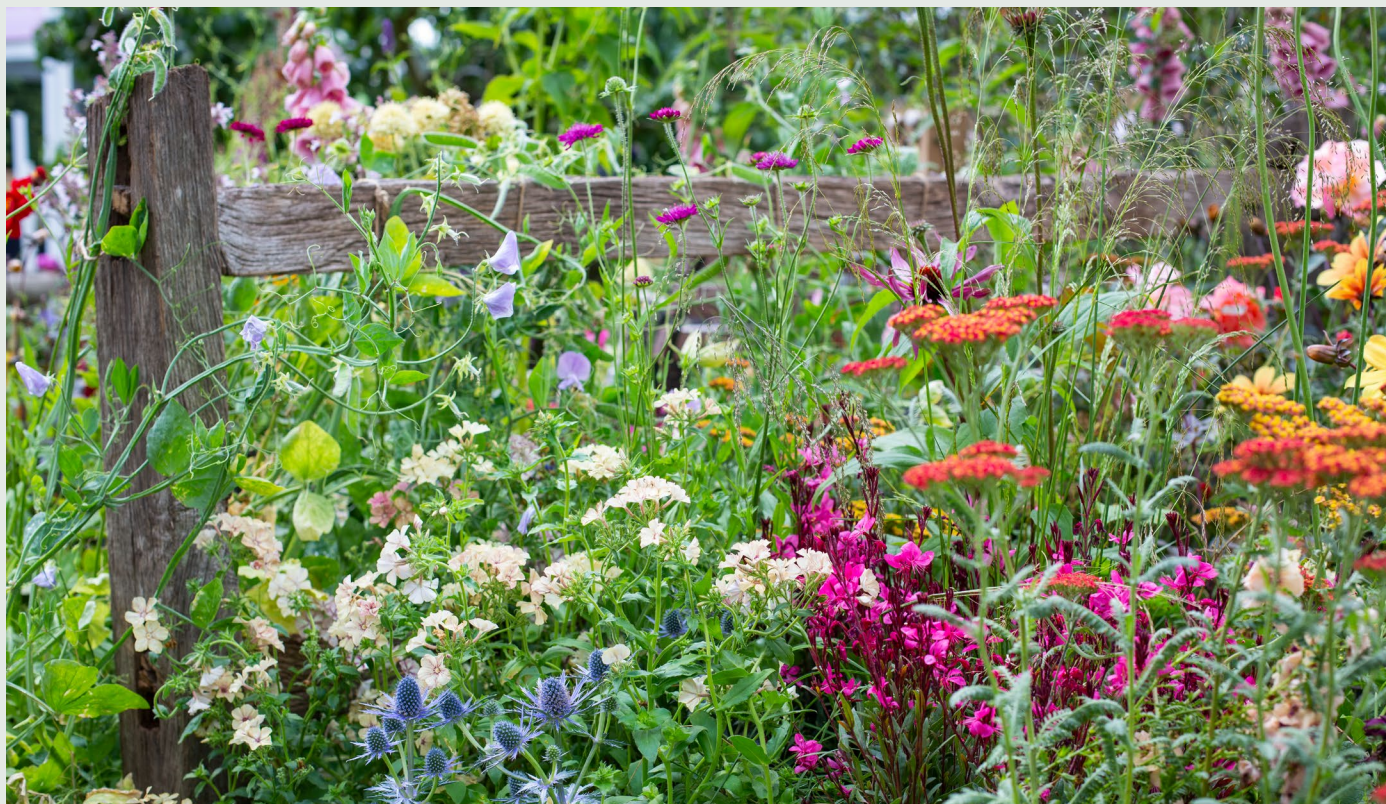
No refunds after June 26.

Questions about the Intensive? Call 718.817.8720 or email:
continuing@nybg.org

Class size is limited for individualized attention. Enroll now!

STUDENT INFORMATION

In addition to the course fees listed, students should anticipate spending approximately \$700 on class materials while completing their Certificate. Students should expect that homework will be assigned in most courses.



©Rachel Warne

The Gardener's Palette with Jo Thompson

Color in the garden can set the mood at a quick glance. As one of the UK's leading garden designers, Jo Thompson knows how to create harmony in the garden through color—selecting options that pair well and enhance the overall palette. Winner of four Gold and five Silver Gilt medals at the Chelsea Flower Show, as well as the coveted People's Choice Award at the first Royal Horticultural Society Chatsworth Flower Show, Thompson joins us to share an entirely new way for gardeners to confidently incorporate color into their homes. She will provide insight and share captivating visuals from her newest book, *The Gardener's Palette*, published in partnership with the Royal Horticultural Society, which features 100 evocative and fresh palettes, paired with images of her own and other designers' work, and a helpful breakdown of the exact plants used in each design, allowing gardeners to successfully re-create these stunning gardens.

Thompson's current design projects include the regeneration of the historic walled gardens at Water Lane in Kent, the planting surrounding a 16th-century house in Sussex, a roof garden in Rome, and a naturalistic garden in Connecticut; recent restoration projects include the planting strategy at Highgate Cemetery in London with Gustafson Porter + Bowman, as well as a secret garden in Venice. | \$35/\$39

Tuesday, March 28, 11 am–12 pm | Jo Thompson | NYBG | 233LAN819

INTRO TO LANDSCAPE DESIGN

Gain an introduction to the terminology, concepts, and basic principles of landscape design through lectures and simple two-dimensional exercises. This course is recommended for students with little or no background in design who are considering a Certificate. | \$195/\$215

4 Saturdays, 6/3–6/24, 10 am–12 pm
Kimberly Tryba | Online | 234LAN100AO

4 Tuesdays, 8/8–8/29, 6–8 pm
Daryl Beyers | Online | 241LAN100BO

4 Saturdays, 9/9–9/30, 10 am–12 pm
Kimberly Tryba | Online | 241LAN100CO

PLANT PARTNERS: THE ART OF PLANTING DESIGN

Survey photographs from dozens of eye-catching gardens to discover how to combine different plant species using the basic criteria of form, color, texture, and height. We will discuss how seasonality, a garden's location, and a plant's native habitat should all factor into your decision of which plants make the best partners. | \$65/\$70

Saturday, 8/26, 10 am–1 pm
Jan Johnsen | Online | 241LAN234O

CERTIFICATE CLASSES

Open to Non-Certificate students

LANDSCAPE DESIGN HISTORY

This course is also required for the Horticulture Certificate TRACK 4.

Explore theories, traditions, and principles that have shaped the design of landscapes from antiquity to the present, through visual presentations, assigned readings, projects, and classroom discussion. | \$630/\$690 *Certificate Requirement*

8 Wednesdays, 4/26–6/14, 10 am–1 pm
Paula Capps Sarathy | Online | 234LAN301AO

8 Wednesdays, 5/10–6/28, 10 am–1 pm
Caitlin Merritt | Online | 234LAN301BO

8 Wednesdays, 9/20–11/8, 10:30 am–1:30 pm
Caitlin Merritt | Online | 241LAN301CO

GRAPHICS I: HAND RENDERING

This course is also required for the Horticulture Certificate TRACK 4.

Graphics are essential in developing and communicating your ideas. Practice various graphic techniques on a range of materials and equipment and learn how to organize and render landscape plans on paper for optimal presentation to clients. Homework required. | \$630/\$690 *Certificate Requirement*

8 Thursdays, 3/23–5/18 (no class on 4/6)
10 am–1 pm
Jamie Miller | Online | 233LAN311EO

8 Thursdays, 5/4–6/22, 5–8 pm
Elizabeth Poccia | NYBG | 234LAN311A

8 Thursdays, 6/8–7/27, 10 am–1 pm
Jamie Miller | Online | 234LAN311BO

8 Fridays, 9/8–11/3 (no class 10/6), 10 am–1 pm
Elizabeth Poccia | NYBG | 241LAN311C

8 Thursdays, 9/21–11/9, 10 am–1 pm
Jamie Miller | Online | 241LAN311DO

GRAPHICS II: DYNASCAPE

Learn the various tools and applications of this software package for landscape designers. Topics include: developing base plans from surveys, techniques for quick estimates, and utilizing the online plant database. Basic computer skills and PC laptop required. **P** Prerequisite: *Graphics I* | \$630/\$690 (There is an additional software fee of \$187.50.) *Certificate Requirement*

8 Fridays, 5/5–6/23, 10 am–1 pm
Elizabeth Poccia | NYBG | 234LAN427A

8 Thursdays, 9/7–10/26, 5–8 pm
Elizabeth Poccia | NYBG | 241LAN427B

LANDSCAPE MEASUREMENT

Precise field measurement is the crucial first step in landscape design. Learn how to properly use automatic levels, tapes, and sophisticated survey instruments such as a total-station and mapping grade GPS. Topics will include accurately measuring distances, differences in elevation, and angles. A basic understanding of geometry and trigonometry is helpful. Dress for the weather. | \$310/\$340 *Certificate Requirement*

4 Saturdays, 4/15–5/6 (rain date 5/13)
10 am–1 pm
Sarah Hettinger | NYBG | 234LAN340

LANDSCAPE DESIGN I: SITE ANALYSIS AND SCHEMATIC DESIGN

Turning a vision into a plan is the designer's first challenge. Analyze landscapes, formulate the requirements of a design project and then translate them into schematic design solutions. Take part in class discussions and critiques, and present projects. Extensive out-of-class design homework required. **P** Prerequisites: *Landscape Design History* and *Graphics I* | \$610/\$670 *Certificate Requirement*

8 Mondays, 4/24–6/26 (no class 5/29 & 6/19)
6:15–9:15 pm
Michael Madden | NYBG | 234LAN401

LANDSCAPE DESIGN II: DESIGN DEVELOPMENT

Apply basic design to site-specific problems, focusing on the process of design development. Start with a concept, then progress through the schematic phase to a preliminary design solution. Examine the relationships of landscape elements and materials to the design process. **P** Prerequisites: *Landscape Design I* and *Graphics II* | \$610/\$670 *Certificate Requirement*

8 Wednesdays, 4/26–6/14, 6:15–9:15 pm
Michael Madden | NYBG | 234LAN402

SITE MATERIALS AND DETAILS

Learn the basic principles of constructing residential landscape features such as walks, steps, simple decks, garden structures, walls, and benches. Study landscape construction standards, techniques, and commonly used materials, and learn to draft construction details. **P** Prerequisite: *Graphics II* | \$610/\$670 *Certificate Requirement*

8 Wednesdays, 5/3–6/21, 6:30–9:30 pm
Katja Patchowsky | NYBG | 234LAN422

LANDSCAPE DESIGN III: PLANTING DESIGN

Through a series of design assignments, prepare a variety of planting plans that are practical, appropriate, and aesthetically satisfying. Explore the significance of site conditions as well as plant form, text, color, and ecological associations. **P** Prerequisites: *Landscape Design II*, *Graphics II*, and *Plants for Landscaping*. Recommended: *Fall Trees and Shrubs* and *Spring Trees and Shrubs* | \$610/\$670 *Certificate Requirement*

8 Wednesdays, 9/6–10/25, 6:15–9:15 pm
Stacie Ellickson-Hastie | NYBG | 241LAN403

BUSINESS PRACTICES FOR THE LANDSCAPE PROFESSIONAL

Study how to effectively organize and operate a small landscape business that will sustain itself and earn a profit. Learn how to attract new clients, position oneself in a crowded market, and choose the right type of business model. Gain experience in preparing proposals and contracts, pricing services and materials, and creating budgets. You will walk away from this class with a basic plan to guide you in creating a successful business. | \$310/\$340 | *Certificate Requirement*

6 Wednesdays, 9/20–10/25, 10:15 am–12:15 pm
Jessica Zavaglia | Online | 241LAN4570





©Jared Cullum, Visitor Center, Watercolor

Seasonal Workshops

From Crafts and Culinary to Wellness—these engaging classes provide creative ways to incorporate plants into your daily routine!

THE ORCHID SHOW: SPECIAL PHOTOGRAPHERS' HOURS

For serious photographers only, this is a rare opportunity to capture the exquisite beauty of *The Orchid Show* without casual visitors present. Bring your tripod (the only time we'll allow them in the exhibition!), since you'll be shooting with available light. Please minimize gear—no backdrops or screens. | \$50/\$55

Friday, 3/24, 8:30–10 am | NYBG | 233GWP229

BOTANICAL CARDS

Learn the basics of block printing with artist Chemin Hsiao. Together, you'll visit a location on Garden grounds for seasonal botanical inspiration. Then, experiment with carving a simple design into a block of soft, eraser-like material. You'll stamp your designs onto paper and walk away with a unique set of hand-printed cards for your loved ones! All materials provided. | \$130/\$145

Saturday, 4/29, 11 am–2 pm
Chemin Hsiao | NYBG | 234CRF219

NEW! HANGING ORCHID BASKET

Craft a cute basket that provides the optimal environment for your orchid! While this basket can be used to hold anything, it's especially suited to allow airflow while holding humidity for your epiphytic friends. Jes Clark of the Hudson Valley's Willow Vale Farm will cover traditional weaving techniques and guide you through the process of creating this functional yet contemporary design. This class is suitable for all levels of experience. Like all willow weaving, this class requires strong hands! All materials provided. | \$250/\$275

Thursday, 5/4, 9 am–5 pm
Jes Clark | NYBG | 234CRF176

PLEIN-AIR DRAWING

Plein-air artist Frank Guida covers basic design principles, including focal point, contrast, perspective, line, and gesture, as well as how to choose a subject that translates well on the page. Then, you will go out on grounds to practice what you've learned. Beginners and experienced artists alike will receive individual guidance to hone their skills. All materials provided. | \$135/\$150

Thursday, 6/8 (rain date 6/15), 10 am–2 pm
Frank Guida | NYBG | 234CRF198

NEW! WILLOW BASKETRY: JARDINIÈRE

Hand-woven willow baskets bring a touch of rustic yet elegant beauty to your home. Jes Clark of the Hudson Valley's Willow Vale Farm will teach you the traditional techniques of rib willow basketry—such as weaving a modified Catalan Base, Three-Rod Wale, English Rand, and woven borders—as you craft a large, rectangular jardinière to hold your favorite plants. Note: this class requires strong hands and is an ambitious project for beginning willow weavers, or a step up for those familiar with the willow weaving process. All materials provided. \$375/415

Thursday–Friday, 7/6–7/7, 10 am–4 pm
Jes Clark | NYBG | 241CRF224

MAKE INK: A FORAGER'S GUIDE

Gather plants and urban detritus (like rust!) from the surrounding landscape to make beautiful dyes: bright magenta pokeweed, dark black walnut, and rich purple wild grape. In the first session, artist and founder of the Toronto Ink Company Jason Logan will teach you which organic and non-organic materials work best and where to look for them. In the second session, you'll mix, test, and transform what you've foraged into rich, vibrant inks using simple household ingredients. See website for materials list. | \$90/\$100

2 Saturdays, 8/12 & 8/19, 11 am–1 pm
Jason Logan | Online | 241CRF1870

MUSHROOM PAPERMAKING

Use bracket fungi to create beautiful, earth-toned sheets of paper under the expert guidance of mycologist Dorothy Smullen. This hands-on class will walk you through the papermaking process, and introduce you to the many different mushrooms you can use for a variety of hues. All materials provided. | \$100/\$110

Saturday, 8/12, 11 am–2:30 pm
Dorothy Smullen | NYBG | 241CRF130

TURNING FLOWERS INTO ART

Explore multiple ways to bring the beauty of dried flowers into your home. In the first session, you'll discover tips on which flower types will last the longest, how to gather, press, and preserve them, and when to use which materials, such as glycerin and silica gel. Then, use the flowers you've dried to explore making art by painting the flowers to print with, hammering them onto watercolor paper for an embossed look, or pressing them directly on paper. See website for materials list. | \$90/\$100

2 Sundays, 9/10–9/17, 2–4 pm
Madeline Yanni | Online | 241CRF2370

Experiment with fermentation, food preservation, and mixology!

SEASONAL BERRY JAM

Get a little messy making seasonal berry jam! Trained in preservation techniques at Cornell, Stephen Nocera will show you three distinct methods of jamming, using less sugar and no additives or pectin. You'll come away with the techniques and recipes you need to keep jamming at home, as well as three delicious jams that will transport you back to summer whenever you reach for a jar. All materials provided. | \$85/\$95

Saturday, 7/8, 11 am–2 pm
Stephen Nocera | NYBG | 241CKG200

BOTANICAL MIXOLOGY 101

Go beyond the garnish into a world of oleo-saccharums, infusions, simple syrups, and tinctures using plants and ingredients accessible to the urban gardener. You'll learn history, get growing advice, and master techniques to broaden your palette of flavors. All materials provided. | \$85/\$95

Wednesday, 8/16, 5–7 pm
Jim Freeman | NYBG | 241CKG240

CANNING PEACHES

"Put up" your peaches using time-honored canning techniques for three preparations that will extend the bounty of your favorite stone fruits long after summer is gone. Create a compote to top your summer desserts; prepare for fall with warming spices; or add syrup to bring sunshine to your winter days. We'll discuss the basics of canning and food safety while you prepare delicious treats to take home. All materials provided. | \$85/\$95

Saturday, 8/5, 11 am–2 pm
Stephen Nocera | NYBG | 241CKG231

PICKLES THREE WAYS

Return to great-grandma's tried-and-true process to make pickled cucumbers in three styles—spicy dill, sweet bread-and-butter, and zesty relish. Designed for beginners, this class covers the basics—from recipes to food prep to sterilizing. You'll pick up tips and tricks for pickling all kinds of produce and head home with recipes and jars of tasty pickled goodies! All materials provided. \$90/\$100

Saturday, 8/19, 11 am–3 pm
Stephen Nocera | NYBG | 241CKG221



Learn how to preserve your tomatoes.



Grow your own mushrooms at home.



Pickle your produce.

GROW GOURMET MUSHROOMS INDOORS

Learn to cultivate gourmet mushrooms at home using safe and simple techniques with John Michelotti, owner of Catskill Fungi. Using cardboard and coffee grounds, you will create your own oyster mushroom starter (*Pleurotus ostreatus*) at home, while learning about the life cycles, characteristics, and medicinal and culinary properties of fungi. See website for materials list. | \$85/\$95

Wednesday, 8/30, 6–8 pm
John Michelotti | Online | 241CKG2070

THE TOTAL TOMATO

Wondering what to do with your bounty of tomatoes? Preserve them, of course! We will show you the best ways to process and hot pack your harvest, with a simple method borrowed from industrial canning. We'll make a chili tomato salsa, marinara sauce, and crushed tomatoes for the pantry, all of which can be safely preserved for future use. When you're dining on fresh tomatoes come December, you'll be thankful you came! | \$90/\$100

Saturday, 8/26, 11 am–3 pm
Stephen Nocera | NYBG | 241CKG226

BEEKEEPING BASICS

Expert beekeeper Frank Mortimer walks you through the ins and outs of what's needed to safely, productively, and enjoyably begin to keep honeybees in a populated area. You'll learn how and why a beehive functions as one living organism, as well as the practicalities of how to manage a colony and begin to produce honey. | \$65/\$70

Saturday, 9/9, 10 am–1 pm
Frank Mortimer | NYBG | 241CKG206

NEW! GROWING MUSHROOMS: STERILE TECHNIQUES

Explore sterile vs. non-sterile mushroom production techniques. Hodgins Harvest Founder & "Chief Fungi Enthusiast" Aaron Hodgins Davis will demonstrate how to build a Still Air Box (SAB), which is a compact device that helps maintain a clean environment, and review practical applications using oyster mycelium. You'll cover DIY growing methods that can be applied to nearly any species of mushroom. | \$85/\$95

Saturday, 9/9, 11 am–2 pm
Aaron Hodgins Davis | NYBG | 241CKG238

*Exercise or meditate
within the Garden or
find new ways to bring
healthful plants into your
everyday life!*

TAI CHI FOR PEACE OF MIND AND BODY

This ancient, meditative Chinese exercise teaches relaxation, balance, and self-defense with an emphasis on correct body posture and spinal alignment. Students become relaxed, physically stronger, and ultimately healthier in both mind and body. | \$125/\$135

8 Saturdays, 4/1–6/3 (no class 4/8, 5/27), 10–11 am
Robert Torres | NYBG | 234WEL102A

8 Saturdays, 9/9–11/4 (no class 10/7), 10–11 am
Robert Torres | NYBG | 241WEL102B

NEW! WILD SPRING MEDICINE

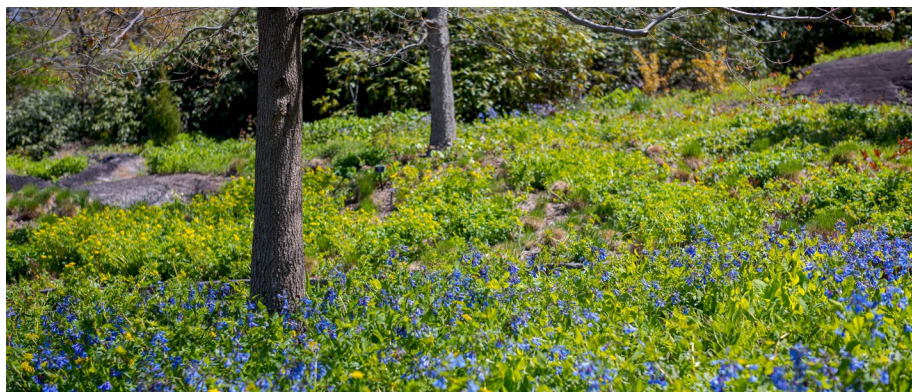
Spring is one of the most abundant times to harvest common edible weeds. This class will introduce you to a variety of local and invasive species that herbalists use for both medicine and food. Get the most out of the season's foraged fare as you are introduced to nature's best medicines while learning how to create two different remedies to bring home. This class will incorporate a walk through NYBG's Native Plant Garden for inspiration. All materials provided. | \$85/\$95

Friday, 4/14, 11 am–1:30 pm
Dawn Petter | NYBG | 234WEL170

NEW! BOTANICAL LIFESTYLE MEDICINE: EMBRACING NATURE

Discover how a plant-forward diet and lifestyle can improve your health. Dr. Richard Rosenfeld will share the six pillars of lifestyle medicine and how these pillars integrate with NYBG. Emphasis will be placed on optimal nutrition, exercise in nature, relaxation, and stress reduction. Then, he'll put your learning into practice for walking tours on Garden grounds. | \$150/\$165

3 Tuesdays, 5/9–5/23 (rain date 5/18), 10 am †
Richard M. Rosenfeld, MD | NYBG & Online |
234WEL162BL



FOREST BATHING

Experience the research-proven health benefits of forest bathing by slowing down and awakening your senses. After learning basic sensory and meditation techniques drawn from the Japanese practice of Shinrin-Yoku, Scandinavian nature philosophies, and other practices, you'll engage in mindful walking through NYBG's Thain Family Forest. | \$50/\$55

Friday, 5/12, 10:30 am–12 pm
Nicole Elmgart | NYBG | 234WEL145

SOAPMAKING WORKSHOP

Bring the bouquet of a summer garden indoors with handmade, naturally moisturizing glycerin soaps. You'll learn the traditional melt-and-pour process and combine fragrances of various dried herbs and essential oils—lavender, rosemary, mint, and more—to make four bars to take home. All materials provided. | \$130/\$145

Saturday, 6/24, 11 am–2 pm
Elizabeth Scholl | NYBG | 234WEL143

MEDICINIAL MUSHROOMS: FUNGI FOR A HEALTHY BODY, MIND, AND PLANET

Emerging research suggests that mushrooms may be beneficial for brain and nerve health. Discover the properties of different species and learn where medicinal mushrooms occur locally. Study how select types such as Maitake, Reishi, and Lion's Mane can help strengthen the immune system and increase resistance to stress. We'll also explore how fungi have been used to clean toxins from the environment by filtering water and removing heavy metals from soil. | \$50/\$55

Wednesday, 6/28, 6–8 pm
John Michelotti | Online | 234WEL1810

NEW! MARVELOUS MINTS

With over 6,000 different species, the Mint family has an impressive presence in our daily lives, from aromatic favorites such as lavender planted in our gardens to medicinal types such as peppermint used in soothing herbal remedies. Move beyond the common varieties as you explore native wild Mint family herbs (such as *Monarda fistulosa*), their unique attributes, and the ways to use them in food, skincare, and/or medicinal preparations. See website for materials list. | \$85/\$95

Thursday, 7/27, 6:30–8:30 pm
Dawn Petter | Online | 241WEL2250

GUT HEALTH: THE KEY TO YOUR IMMUNE SYSTEM

Your digestive system is home to over 70% of your immune system! So keeping your gut in tip-top shape is crucial to maintaining good health. We will examine the difference between good and bad bacteria and explore how each affects your energy level, skin, and overall health. We'll focus on how to strengthen your digestion and create better eating habits, including by introducing fermented foods and herbal medicine into your diet. | \$50/\$55

Thursday, 7/27, 6:30–8 pm
Cheryl Paswater | Online | 241WEL2150

NEW! ROSE MEDICINE

Discover an array of wild foods and medicinal herbs that are part of the beloved Rosaceae family. As certain rose plants are known to support our circulation, cognition, mood, and heart health, explore how to incorporate these beneficial plants into our diets with recipes, tastings, and practical tips. Two remedies will be made during class, for your at-home use. See website for materials list. | \$85/\$95

Wednesday, 8/23, 6:30–8:30 pm
Dawn Petter | Online | 241WEL1850

† The start time for all sections is as listed; end times vary. See website for the full schedule.

Wellness classes are presented for informational purposes only and are not intended for self-medication.



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Therapeutic Horticulture

Our Therapeutic Horticulture Certificate emerges from a health and wellness model of human development, combined with research supporting nature as an effective therapeutic medium. Learn to create experiences that utilize plants, gardening, and nature to empower individuals and groups whose lives have been affected by illnesses, injuries, disabilities, and life circumstances in order to achieve improvements in cognitive, physical, social, emotional, and spiritual well-being.

THE CERTIFICATE PROGRAM

Respected nationwide, NYBG's program is led by our expert faculty—all highly trained practitioners—who are the ideal guides. Whether you are embarking on a new path or want to further enhance your therapeutic horticulture knowledge in human services, education, mental health, or other fields, NYBG will facilitate your skills and knowledge development.


















Upon completion of the program, students will be able to:

- Select and care for a diverse group of plants suitable for use in indoor and outdoor settings.
- Understand the characteristics and needs of service communities served through therapeutic horticulture programs.
- Develop goals, activities, adaptations, and evaluation methods that fit the specific needs of an individual or group.

QUESTIONS? CONTACT THE PROGRAM COORDINATOR AT THPCOORDINATOR@NYBG.ORG

CERTIFICATE REQUIREMENTS

Certificate students must complete 176 course hours, 10 site visit hours, and 100 hours of field experience. After completing all Therapeutic Horticulture requirements, students should contact the Program Coordinator to discuss options for their field experience.

Course	Code	Hours	Page
Introductory & Service Community Classes			
Introduction to Therapeutic Horticulture	THP 301	10	34
Therapeutic Horticulture for Older Adults	THP 401 	12	35
Therapeutic Horticulture for Youth with Disabilities**	THP 402 	12	—
Therapeutic Horticulture for Mental Health	THP 404 	12	34
Therapeutic Horticulture for Neurological Conditions**	THP 403	12	—
Therapeutic Horticulture for Chronic Health Conditions	THP 405 	12	34
Foundations of Horticulture Classes			
Fundamentals of Gardening	GAR 301	12	20
Introduction to Plant Science	HRT 300	16	24
Plant Propagation I: Basic Principles	HRT 411 	18	25
Therapeutic Horticulture Techniques and Materials			
Accessibility in Therapeutic Horticulture Programming	THP 406 	8	35
Indoor Plants for Therapeutic Programs**	THP 350 	8	—
Outdoor Plants for Therapeutic Programs	THP 351 	8	35
Therapeutic Horticulture Activity Planning	THP 407 	10	35
Therapeutic Horticulture Program Management	THP 409 	10	35
Elective courses		16	
Therapeutic Horticulture Site Visits		10	
TOTAL REQUIRED HOURS		186	
ELECTIVES			
Course	Code	Hours	Page
A Trauma-Informed Approach to Therapeutic Horticulture**	THP 318 	6	—
Developing Cultural Competency in Therapeutic Horticulture Programs**	THP 312 	6	—
SITE VISITS			
Course	Code	Hours	Page
The G.R.O.W. Garden at the James J. Peters VA Medical Center	THP 514 	4	35
NYU Langone Medical Center, Therapeutic Horticulture Services	THP 525 	5	35
Mercy Home for Children	THP 507 	5	35
The HSNY'S Greenhouse Program on Rikers Island	THP 531 	6	35
Good Samaritan Regional Medical Center: The Garden of Hope	THP 546 	5	35

**Courses offered in the Fall–Winter Catalog
 Courses with a prerequisite before you can register

SUMMER INTENSIVE PROGRAM

July 11–July 29

In just three weeks, complete more than 30% of the coursework required for the Certificate and gain a solid understanding of how to utilize plants, gardening, and nature to empower specific individuals and groups. All courses are offered in a condensed format, making it easier than ever to start the Certificate this season!

CLASSES

Introduction to Therapeutic Horticulture | Therapeutic Horticulture for Neurological Conditions | Therapeutic Horticulture for Youth with Disabilities | Indoor Plants | Outdoor Plants | Site Visits
One Specialty Elective

Tuesday–Saturday, July 11–29, Start and end times vary † | NYBG 241THP960

TUITION AND REFUNDS

\$2,335 (Member) / \$2,565 (Non-Member)
A \$1,075 non-refundable deposit is due at registration. An optional payment schedule is available if requested. No refunds after June 26.

† See website for the full schedule.

INTRODUCTION TO THERAPEUTIC HORTICULTURE


Explore the theoretical foundations and evidence-based research that supports using the people-plant relationship as a therapeutic tool to improve health and well-being. Engage in hands-on activities to discover the beneficial cognitive, physical, psychological, and social-emotional impacts associated with working with plants for a wide range of service communities. | \$420/\$470

2 Tuesdays, 5/30 & 6/6, 6–8:30 pm & Saturday, 6/17, 9 am–2:30 pm
Anne Meore, LMSW, HTR & Amy Wagenfeld, OTR-L, Ph.D. | NYBG & Online | 234THP301ABL

4 Tuesdays, 8/8–8/29, 6–8:30 pm
Amy Wagenfeld, OTR-L, Ph.D. | Online | 241THP301BO


2 Tuesdays, 9/12 & 9/26, 4–6:30 pm & Saturday, 9/23, 10 am–2:30 pm
Anne Meore, LMSW, HTR | NYBG & Online | 241THP301CBL

THERAPEUTIC HORTICULTURE FOR CHRONIC HEALTH CONDITIONS

Chronic conditions that require ongoing medical attention, such as cardiovascular disease, respiratory conditions, diabetes, cancer, and bone and joint diseases, can interfere with activities of daily living. Create goal-directed therapeutic horticulture activities to improve the quality of life for participants with these conditions.  Prerequisite: *Introduction to Therapeutic Horticulture* | \$440/\$485

6 Tuesdays, 4/4–5/9, 6–8 pm
Amy Wagenfeld, OTR-L, Ph.D. | Online | 234THP405AO

THERAPEUTIC HORTICULTURE FOR MENTAL HEALTH

A growing body of evidence supports the use of horticulture for psychological well-being. Discover how therapeutic horticulture can be a preventative practice for all people in dealing with the stressors of the modern world and how it can be integrated into more formal behavioral health programs. Explore approaches using plants and gardening that can positively impact the healing process of mental health disorders such as depression, anxiety, and substance abuse.  Prerequisite: *Introduction to Therapeutic Horticulture* | \$440/\$485

3 Wednesdays, 9/13–9/27, 6:30–8:30 pm & Saturday, 9/30, 10 am–2:30 pm
Hilda Krus, MSW, HTR | NYBG & Online | 234THP404ABL

NEW! OUTDOOR PLANTS FOR THERAPEUTIC PROGRAMS

Tour the gardens and collections of NYBG to expand your repertoire of edible and ornamental plants for therapeutic programming. Learn their specific requirements and care, while exploring design possibilities, safety, and applications for use with various service communities. 📄 Prerequisite: *Fundamentals of Gardening* and *at least 2 Service Community courses* | \$250/\$275

2 Saturdays, 4/29 & 5/6 (rain date 5/13), 11 am–3 pm
Brooke Gibbard | NYBG | 234THP320

THERAPEUTIC HORTICULTURE ACTIVITY PLANNING

Learn to conduct needs assessments, develop activity plans, and write specific goals with measurable objectives that address individual and group needs. Explore the dynamics of group work and the leadership techniques necessary for successful group facilitation. You'll put theory into practice by structuring TH activities for specific populations. 📄 Prerequisite: *At least 4 Service Community courses* | \$440/\$485

3 Mondays, 6/5–6/26 (no class 6/19), 6:30–8:30 pm & Saturday, 6/24, 10 am–2 pm | Abby Jaroslow, HTR, CH | Online | 233THP4070

THERAPEUTIC HORTICULTURE FOR OLDER ADULTS

Explore how therapeutic horticulture can improve the health, function, and quality of life for older adults in various settings, from independent to assisted living, day programs, skilled nursing, and memory care facilities. You will also gain an understanding of the physical, sensory, cognitive, psychological, and social aspects of aging. 📄 Prerequisite: *Introduction to Therapeutic Horticulture* | \$440/\$485

6 Wednesdays, 6/28–8/9 (no class 7/5), 6:30–8:30 pm
Kathy Brechner, MBA, HTR | Online | 234THP4010

SITE VISITS

Get a close-up look at the day-to-day activities of organizations practicing Therapeutic Horticulture in the New York area.

THE G.R.O.W. GARDEN AT THE JAMES J. PETERS VA MEDICAL CENTER

Engage your senses in the Resilience & Wellness Center's newly established therapeutic garden at the James J. Peters VA Medical Center in the Bronx. Learn about the multiple populations with wide-ranging needs served by the G.R.O.W. Garden's Therapeutic Horticulture Program, observe therapeutic horticulture in action with veterans, and engage in garden-based experiential activities. Please bring lunch. 📄 Prerequisite: *Introduction to Therapeutic Horticulture* | \$145/\$160

Friday, 4/28 (rain date 5/12), 10 am–2 pm
Anne Meore, LMSW, HTR | Off-site | 234THP514

Friday, 7/28 (rain date 8/4), 10 am–2 pm
Anne Meore, LMSW, HTR | Off-site | 241THP514

NEW! MERCY HOME FOR CHILDREN

Mercy Home provides services to individuals with developmental and intellectual disabilities, including a robust therapeutic horticulture program that features indoor, outdoor, and hydroponic gardening. This visit will offer an inside look into Mercy Home's beautiful courtyard, greenhouse, and indoor grow room during its Saturday Respite Program. Through discussion and observation, you'll discover how these services are delivered at both the Respite program as well as through a network of group homes. 📄 Prerequisite: *Introduction to Therapeutic Horticulture* | \$145/\$160

Saturday, 4/22, 9 am–2 pm | Maggie Richie | Off-site | 234THP507A

Saturday, 6/17, 9 am–2 pm | Maggie Riche | Off-site | 234THP507B

THERAPEUTIC HORTICULTURE PROGRAM MANAGEMENT

Gain skills in developing program proposals, writing protocols, establishing evaluation methods and record-keeping policies, and managing staff and volunteers for therapeutic horticulture programs. We will discuss how to develop budgets, fund raise, and follow best legal practices for those considering establishing their own business. 📄 Prerequisite: *At least 4 Service Community courses* | \$440/\$485

4 Tuesdays, 8/29–9/19, 6–8:30 pm
Pat Czarnecki, MBA, HTR | Online | 241THP4090

ACCESSIBILITY IN THERAPEUTIC HORTICULTURE PROGRAMMING

Evaluate tools, equipment, structures, spaces, and techniques used by participants in therapeutic horticulture activities. Explore universal design principles and how to incorporate them into programming, activities, garden design, and tools to meet the widest range of people's needs. Design and construct a kit of adaptive tools and assistive devices through problem-solving activities. 📄 Prerequisite: *At least 2 Service Community courses* | \$270/\$295

2 Thursdays, 9/14 & 9/28, 6–8 pm & Saturday, 9/23, 10 am–2:30 pm
Amy Wagenfeld, OTR-L, Ph.D. & Phyllis D'Amico, HTM | NYBG & Online | 241THP406BL

NYU LANGONE MEDICAL CENTER, THERAPEUTIC HORTICULTURE SERVICES, MANHATTAN

NYU is recognized as having one of the longest-running therapeutic horticulture programs in the country. This visit offers an insider's look at the broad array of programs that the team facilitates both in the hospitals and in the community. Visit the garden room and terrace garden and observe patient sessions in two different departments. Witness how interactions with plants aid in the recovery and rehabilitation of diverse groups of patients served at this premier academic medical center. 📄 Prerequisite: *Introduction to Therapeutic Horticulture* | \$145/\$160

Tuesday, 5/23, 9 am–2 pm
Gwenn Fried and Matthew Wichrowski, MSW, HTR | Off-site | 234THP525

THE HSNY'S GREENHOUSE PROGRAM ON RIKERS ISLAND

Hands-on healing and learning through horticulture takes place at The Hort's GreenHouse program on Rikers Island. Designed and built by individuals who are incarcerated and their instructors, the gardens feature a native woodland, nursery, and raised bed with vegetables and herbs. HSNY's horticultural therapists will give an overview of the program, and then you will spend the rest of the morning with participants at the GreenHouse. 📄 Prerequisite: *Introduction to Therapeutic Horticulture* | \$145/\$160

Thursday, 8/17, 7 am–1 pm Hilda Krus, HTR | Off-site | 241THP531

GOOD SAMARITAN REGIONAL MEDICAL CENTER: THE GARDEN OF HOPE

With its 32' x 40' growing space for edible and sensory plantings, The Garden of Hope offers therapeutic horticulture opportunities to a wide array of special needs populations. The garden is equipped with rolling planting tables, traditional raised beds, and accessibility features for those with mobility challenges. Explore and engage in therapeutic techniques specific to programming in outdoor spaces. 📄 Prerequisite: *Introduction to Therapeutic Horticulture* | \$145/\$160

Wednesday, 9/6 (rain date 9/13), 9:30am–2:30pm
Anne Meore, HTR | Off-site | 241THP546



Urban Naturalist

In our teeming metropolis, nature is all around us in diverse habitats, from the cracks in our sidewalks to our parks and our beaches.







THE CERTIFICATE PROGRAM

The NYBG Urban Naturalist Certificate Program equips you with the skills you need to become an effective environmental steward. On the Garden grounds and in select city parks, you will learn to keenly observe the natural world, create scientifically useful records of your observations, and investigate the interrelationships between species.

To receive a Certificate, you must select a natural site, and after making in-depth observations there over many months, present a survey of the plants and animals found there and a plan for how the site can be improved to provide ecological and social benefits. Certificate guidelines are available online.

©Maryann Burton, Bronx River at the Mill, Watercolor

CERTIFICATE REQUIREMENTS


Course	Code	Hours	Page
Basic Plant ID	BOT 308	6	37
<i>Two of the four Native Flora courses:</i>		24	—
Native Flora in Autumn	BOT 331 	38	
Native Flora in Winter**	BOT 332 	—	
Native Flora in Spring	BOT 333 	37	
Native Flora in Summer	BOT 334 	37	
<i>One of the two Birds courses:</i>		12	—
Natural History of Birds: Fall	NAT 321	38	
Natural History of Birds: Spring	NAT 317	37	
Natural History of Insects	NAT 322	12	38
Introduction to Urban Ecology**	NAT 338	6	—
The Ecosystems of New York City	NAT 337 	8	37
Urban Ecology Field Study Workshop	NAT 323 	9	38
<i>Elective courses</i>		30	
TOTAL REQUIRED HOURS		107	

ELECTIVES

The following Naturalist courses—along with all Botany electives listed on page 9 count toward the 30 required elective hours.

Course	Code	Hours	Page
Ancient and Venerable Trees	NAT 353	2	37
Field Sketching	NAT 400	6	37
Pollination Ecology	NAT 325	6	38
Dragonflies and Damselflies of the Northeast	NAT 311	6	38
Intro to the Ecology of Galls	NAT 213	4	38

**Courses offered in the Fall–Winter Catalog

 Courses with a prerequisite before you can register

**QUESTIONS? CONTACT THE PROGRAM COORDINATOR AT
NATCOORDINATOR@NYBG.ORG**


BASIC PLANT ID

This is the class for plant-lovers eager to up their game! Learn the terminology and basic botanical nomenclature that will help you recognize and describe key differences in common plants. \$155/\$170 *Certificate Requirement*

3 Tuesdays, 5/9–5/23, 5:30–7:30 pm
Clara Holmes | Online | 234BOT308AO

3 Mondays, 7/31–8/14, 5:30–7:30 pm
Clara Holmes | Online | 241BOT308BO

NATIVE FLORA IN SPRING

Follow the bloom sequence of a wide variety of spring wildflowers, shrubs, and trees. Learn to identify native plants using taxonomic keys and family characteristics. You'll practice these skills using a 10X hand lens during walks in the Garden.  **Prerequisite:** *Basic Plant ID* | \$310/\$340 *Certificate Requirement*

4 Saturdays, 4/15–5/6 (rain date 5/13), 10 am–1 pm
Nancy Slowik | NYBG | 234BOT333A

4 Thursdays, 4/20–5/11 (rain date 5/18), 10 am–1 pm
Nancy Slowik | NYBG | 234BOT333B

NATURAL HISTORY OF BIRDS: SPRING

With its variety of habitats and position on the Atlantic Flyway, NYC is a bird-lover's paradise, with over 300 distinct resident or migratory species present at some point each year. Improve your ability to identify species by learning a variety of field marks, distinctive feather patterns, beak and body shapes, songs, and behaviors. | \$310/\$340 *Certificate Requirement*

5 Wednesdays, 5/3–5/31, 10 am †
Ken Chaya | NYBG & Online | 234NAT317BL

WOODLORE: A CULTURAL HISTORY OF TREES

Take a deep dive into the history and modern-day uses of trees found in the tri-state area, from American elm to white pine. On this walk and talk, we will discuss 12 species and how the specific ecology and wood characteristics of each affect how it has been named, used, and integrated into the mythologies and cultures of different peoples. \$125/\$135

2 Fridays, 5/12 & 5/19, 2–5 pm
Levi O'Brien | NYBG | 234NAT206

APPS FOR NATURALISTS

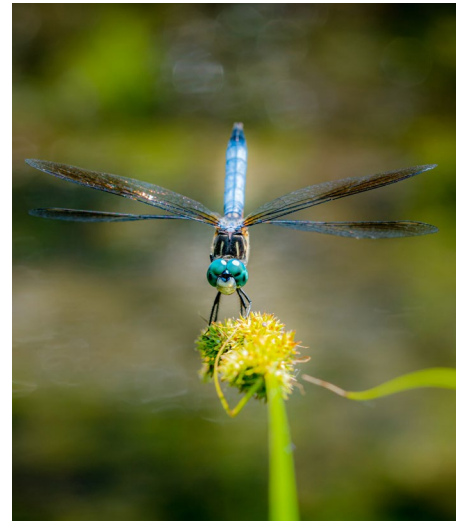
Get the hang of using iNaturalist, a powerful digital tool that allows you to record and share your observations of the natural world with scientists and individuals worldwide, helping to gather data that is being used to better protect and understand nature. We'll also explore its sister app Seek, which has no social media component, making it ideal to help young children engage with nature. | \$65/\$70


Saturday, 5/20, 11 am–1 pm
Devon Cummings | NYBG | 234NAT204

FIELD SKETCHING

Take your naturalist game to the next level by learning how to sketch. Drawing asks that you slow down and closely observe what you see, allowing you to identify unfamiliar species and investigate ecological connections. Focusing on trees, you'll learn how to accurately capture unique details by experimenting with a variety of color combinations, materials, and mark-making. No previous drawing experience required. \$135/\$150 *Certificate Elective*


2 Thursdays, 6/1 & 6/8, 6:30–8 pm &
2 Saturdays, 6/3 & 6/10, 2–4 pm
Lorna Leighton | NYBG & Online | 234NAT400BL

**NATIVE FLORA IN SUMMER**

Learn to identify native and introduced herbs, ferns, shrubs, and trees as they appear in summer, and get to know plants that may be found in fields, on roadsides, and in woodlands and wetlands. You will become familiar with their structure and taxonomy, and practice using taxonomic keys.  **Prerequisite:** *Basic Plant ID* | \$310/\$340 *Certificate Requirement*

3 Thursdays, 6/8–6/22, 6–8 pm & 2 Saturdays, 6/10 & 6/24 (rain date 6/25), 9 am–12 pm
Clara Holmes | NYBG & Online | 234BOT334BL

THE ECOSYSTEMS OF NEW YORK CITY

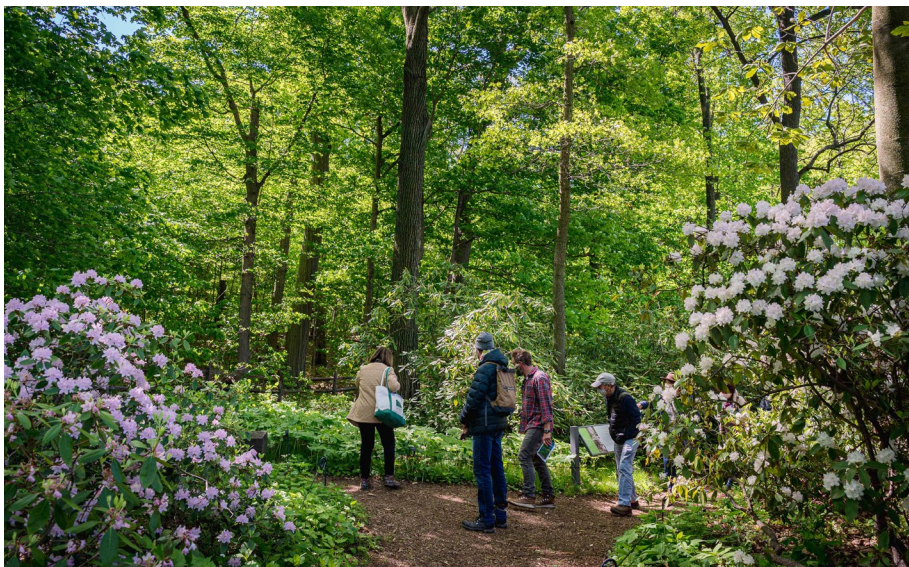
The tri-state area contains many distinct ecosystems, including woodlands, salt marshes, meadows, and fresh water wetlands. Study the unique characteristics of local habitats and the species they support, paying close attention to interspecies relationships. We'll spend time in Pelham Bay Park to identify and document the web of relationships found in NYC's forests and wetland areas.  **Prerequisite:** *Native Flora* and *Natural History of Birds* | \$240/\$260 *Certificate Requirement*

3 Sundays, 6/11 & 6/25, 10 am–12 pm &
7/9 (no class 6/18, 7/2), 9 am–1 pm
Ellen Pehek | Online & Off-site | 234NAT337BL

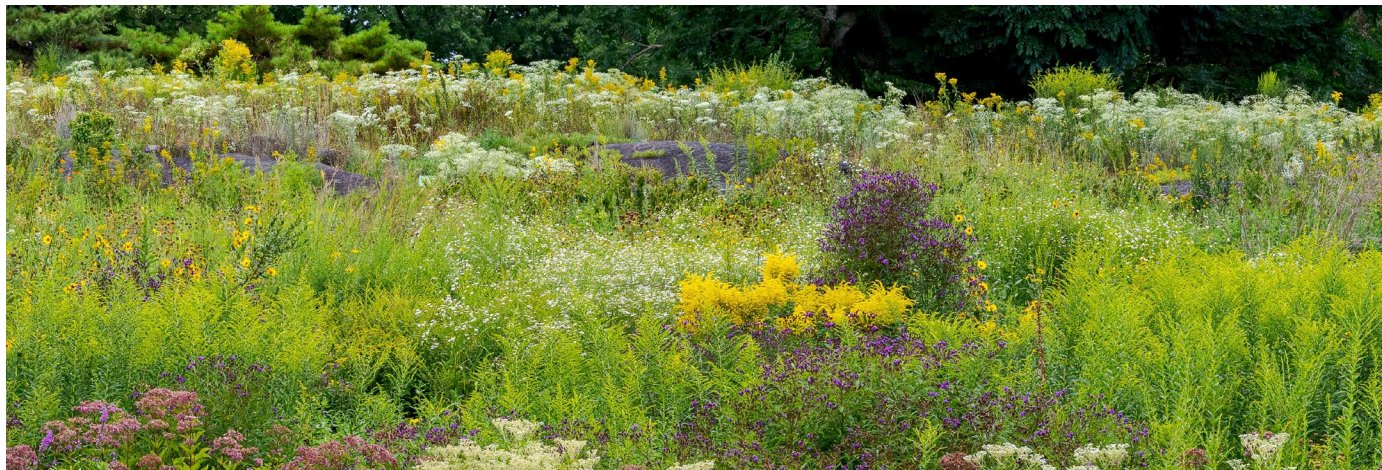
ANCIENT AND VENERABLE TREES

Join ecologist Michael Gaige as he demonstrates how to identify old and ancient trees, both in Eastern woodlands and across the globe. He will discuss the factors that allow them to grow for centuries and illustrate how the advanced age, texture, and structure make these trees able to support a wide variety of woodland denizens. You'll gain a new understanding of why we should cherish these trees as keystone elements of our forests and open spaces. | \$80/\$90 *Certificate Elective*

Wednesday, 6/14, 6–8 pm
Michael Gaige | Online | 234NAT3530



† The start time for all sections is as listed; end times vary. See website for the full schedule.




NATURAL HISTORY OF INSECTS

Study the critical and fascinating roles that insects play in maintaining healthy ecosystems and within their own complex social systems. Learn to observe and identify insects while exploring the wonder of metamorphosis and the amazing variety of defensive strategies and adaptations insects have developed to survive. | \$310/\$340 *Certificate Requirement*

5 Thursdays, 6/15–7/13, 10 am †
Ken Chaya | NYBG & Online | 234NAT322BL

URBAN ECOLOGY FIELD STUDY WORKSHOP

Learn to measure and monitor the ecological diversity observed and celebrated in and around New York City environs. Practice using field techniques for recording observations in nature and assessing vegetation, animal life, and habitats.  Prerequisite: *Native Flora* and *Natural History of Birds* | \$240/\$260 *Certificate Requirement*

3 Wednesdays, 7/5–7/19, 9 am–12 pm
Nancy Slowik | NYBG | 241NAT323

DRAGONFLIES & DAMSELFLIES OF THE NORTHEAST

Learn how to identify this unique order of insects as they take to the skies in early summer. Study their biology, behavior, habitat associations, and conservation efforts currently underway. \$135/\$150 *Certificate Elective*

3 Mondays, 7/24–8/7, 6–8 pm
Alan Wells, Ph.D. | Online | 241NAT3110

POLLINATION ECOLOGY

Study the crucial role birds, insects, and bats play in local ecosystems. Expert naturalist Alan Wells discusses the many different types of pollination, as well as the roles played by a plant's flower structure, nectar production, and fragrance. \$155/\$170 *Certificate Elective*


3 Thursdays, 8/17–8/31, 6–8 pm
Alan Wells, Ph.D. | Online | 241NAT3250

SUMMER BUTTERFLY WALK

NYBG's lush grounds and various habitats provide a remarkable opportunity to observe and study butterflies. Join naturalist Ken Chaya in search of a wide variety of colorful butterflies known to feast on summer flowers in our area. You'll learn how field marks and behavior can aid in identification. \$90/\$100

Saturday, 7/22, 10 am–1 pm
Ken Chaya | NYBG | 241NAT328

NATIVE FLORA IN AUTUMN

In autumn our native Northeast flora can be spectacular, but difficult to identify. With a 10X power hand lens and a plant key, you'll learn to identify these wildflowers, shrubs, and trees on the Garden grounds.  Prerequisite: *Basic Plant ID* | \$310/\$340 *Certificate Requirement*

5 Thursdays, 9/15–10/13 (rain date: 10/20) 10 am †
Nancy Slowik | NYBG & Online | 241BOT331ABL

5 Saturdays, 9/17–10/22 (no class 10/8; rain date: 10/29), 10 am †
Nancy Slowik | NYBG & Online | 241BOT331BBL

NATURAL HISTORY OF BIRDS: FALL

With its wide variety of habitats and its position on the Atlantic Flyway, NYC is a bird-lover's paradise, with over 300 distinct resident or migratory species living here or passing through. Practice observing distinctive feather patterns, beak and body shapes, using field guides effectively, and evaluating songs and behaviors to improve your ability to identify species in the field. We'll emphasize the role individual birds play in our ecosystem, while enjoying the unique nature of autumnal birding! \$310/\$340 *Certificate Requirement*

5 Tuesdays, 9/26–10/24, 10 am †
Ken Chaya | NYBG & Online | 241NAT321BL

MOTH ECOLOGY AND CONSERVATION

Celebrate National Moth Week with its co-founder Elena Tartaglia! She'll detail the essential roles that moths play in ecosystems as pollinators, links in food webs, and decomposers. Discover how to attract moths for close observation and learn how they are threatened in urban environments. | \$50/\$60

Thursday, 7/27, 6:30–7:30 pm
Elena Tartaglia, Ph.D. | Online | 241NAT3480

INTRO TO THE ECOLOGY OF GALLS

Fascinating adaptations, galls are highly modified tissues in plants caused by arthropods, fungi, viruses, or bacteria. Surprisingly little is known about the biology and ecology of galls, making them a prime topic for naturalists to study. This class will focus on the ecology of galls created by wasps, midges, aphids, psyllids, and more in the northeastern U.S. Participants will receive tips on how to identify some of the more common species around so you can begin to study them come spring. | \$125/\$135 *Certificate Elective*

Wednesday, 9/13, 6:30–8:30 pm & Sunday, 9/17 10 am–12 pm
John Butler | NYBG & Online | 241NAT213BL

† The start time for all sections is as listed; end times vary. See website for the full schedule.

Continuing Education Units, Professional Societies, & Academic Programs

Continuing Education Units (CEUs)

APLD and ASLA Members: Don't miss out! Get CEUs for many of our lectures. Events offering CEUs are noted in the catalog or on the individual event listing pages at nybg.org/ContEd.

Association of Professional Landscape Designers (APLD)

The APLD advances landscape design as a career and promotes the recognition of landscape designers as qualified professionals. It has established a set of rigorous standards that must be met to become certified. Student memberships are available for those actively enrolled in a landscape design or horticulture program. For more information visit apld.org.

Landscape Design Students and Alumni Association (LDSA)

LDSA encourages a dynamic exchange of information among students, faculty, and alumni. It provides networking opportunities, as well as an indispensable Q&A service via a Yahoo Group available to all members. Monthly meetings feature guest speakers and informal design critiques, and are focused on topics in the professional arena. All students and alumni in Landscape Design, Horticulture, and Gardening are invited to attend. Call Elaine Yellen at 914.723.4090 for details.

American Society of Botanical Artists (ASBA)

ASBA is a non-profit organization of more than 1,300 members throughout the US and in 20 other countries. Dedicated to promoting awareness of contemporary botanical art, ASBA provides educational opportunities through its annual conference and quarterly journal, *The Botanical Artist*. ASBA maintains their headquarters at NYBG on the third floor of the Watson Education Building. ASBA brings the best of contemporary botanical art to the public by curating the NYBG Triennial and other exhibitions. For information, visit asba.org.

Tri-State Botanical Artists of NYBG (TSBA)

All NYBG Botanical Art & Illustration students are cordially invited to join the Tri-State Botanical Artists of NYBG. TSBA, a circle of the American Society of Botanical Artists, is a group of more than 90 likeminded artists that meets once a month to support each other and share resources. Meetings are free via Zoom. Each month, there will be a speaker who discusses a relevant topic such as fine art materials, galleries, botany, or gardens. For more information and to sign up for the e-newsletter, please contact ssapanara@gmail.com, jeanne.reiner@gmail.com, or gayegrossman@gmail.com.

American Institute of Floral Designers (AIFD)

AIFD is a non-profit organization dedicated to establishing, maintaining, and recognizing the highest standard of professional floral design. AIFD and its worldwide accredited members present educational programs and design flowers for such renowned events as the Tournament of Roses Parade, the Academy Awards, and presidential inaugurations. NYBG is an AIFD Education Partner. For more information visit aifd.org.

The Guild of Natural Science Illustrators (GNSI)

The Guild is an international organization whose members strive to maintain and further the field, assist others in entering it, and encourage high standards of competence. For information, visit gnsi.org.

Department of Environmental Conservation (DEC)

The New York State Department of Environmental Conservation (DEC) requires commercial pesticide applicators to take a 30-hour course such as Preparation for Pesticide Applicator Certification Examination offered at NYBG, and pass a State-administered exam. Applicators must periodically apply for recertification and complete a number of courses approved by the DEC and the NJ State Department of Environmental Protection (DEP).

International Society of Arboriculture (ISA)

ISA is a worldwide network of professional arborists who foster a greater awareness of the benefits of trees, and promote the professional practice of arboriculture. For more information, visit isa-arbor.com.

NYBG & Bronx Community College Associate Degree Program

NYBG and Bronx Community College of the City University of New York offer an Associate Degree Program. The first year of the program is offered at BCC where students take academic courses. The second year is spent at NYBG, where students take academic courses and work in horticulture. For more information, contact Adjat Adebola at adjat.adebola@bcc.cuny.edu or 718.289.5538, or NYBG at 718.817.8720.



NYBG School of Professional Horticulture

NYBG's School of Professional Horticulture offers a comprehensive, full-time, two-year program combining hands-on training with academic study to educate and prepare you to become a skilled professional horticulturist. With a 100% job placement rate for the past 12 years, alumni have successful careers in public and private sectors, including estate management, landscape design/build firms, and public parks and gardens.

The School is nationally accredited by ACCET and licensed by the New York State Education Department. Federal financial aid is available to qualified students.

For a catalog, visit nybg.org/edu/soph or call 718.817.8797.

Academic Policies & Procedures

COURSE LEVELS

- 100–299 Short, non-credit courses
- 300–399 Basic (may have prerequisites)
- 400–499 Intermediate (may have prerequisites)
- 500–599 Advanced (may have prerequisites)
- 600–699 Classes with a Master
- 700–799 Symposia
- 800–899 Lectures
- 900–949 One-day, hands-on workshops
- 950–999 Intensive Programs

COURSES WITH PREREQUISITES

In order to register for courses with prerequisites, students must have received a passing grade in the prerequisite course(s).

WORK-STUDY OPPORTUNITIES

For information about work-study opportunities with Continuing Education, please email continuinged@nybg.org.

SCHOOL POLICIES FOR CERTIFICATE PROGRAMS

The Director and Program Coordinators formulate policy regarding standards of student performance, including awarding Certificates, rules of conduct, and student appeals. Please contact the Director with any questions or concerns at 718.817.8595.

Satisfactory Academic Progress Policy

Student progress is measured by grades for Certificate courses, while Non-Certificate courses are not graded.

Grade	GPA	Percentile
A	4.0	94-100
A-	3.7	90-93
B+	3.3	87-89
B	3.0	83-86
B-	2.7	80-82
C+	2.3	77-79
C	2.0	73-76
C-	1.7	70-72
D+	1.3	67-69
D	1.0	60-66
F	0	0-59
NC	0	NO CREDIT

All coursework (final exams, papers, projects) must be completed on time unless the instructor grants additional time for extenuating circumstances.

Grades are available via your online student account. Call 718.817.8720 for help creating an online account, to receive grades over the phone, or request a transcript.

All incomplete grades will be converted to an F within 4 weeks if work is not completed by then. A student must repeat a course and earn a passing grade in order to receive a Certificate; additional course materials will be charged at cost.

Previous Education Credit

A student may qualify for course exemption through:

- College courses taken for degree credit from an accredited college or university
- Evaluated non-collegiate sponsored instruction
- Proficiency exams

To be exempt from a required course, you must complete the Course Exemption Request Form, present transcripts showing an earned grade of C or higher, and present the course outline and/or relevant supporting documentation. The School will evaluate these submissions and make a decision. If exempted from the course, you must take an equal number of hours of approved elective course(s).

Attendance

On-time attendance is required at all classes. Unexcused tardiness and absences are not accepted, unless due to an emergency, including serious illness or death within a student's family. Absences should be reported to the Registration Office at 718.817.8720 and will be evaluated on a case-by-case basis. Students must request makeup tests, which will be scheduled at the instructor's discretion. Deficiency in any required work resulting from absence from class must be made up at the student's own expense to satisfy the instructor.

Student Work

Students have 8 weeks following the last day of class to pick up any work left by instructors at the Registration Office. After that time, unclaimed assignments will be discarded.

Certificate Requirements

Certificate requirements are those stated in the catalog from which the student first registered for a Certificate course.

To qualify for a Certificate, students must receive passing grades in all required courses.

Students have 6 years from the start of their first required course to complete a Certificate.

Certificate Graduation Ceremony

The 2023 ceremony will be held on Sunday, June 4. If you expect to complete your Certificate requirements or enroll in all remaining classes by June this year, you must inform the Continuing Education team in writing at graduation@nybg.org. Call the Registration Office at 718.817.8720 with any questions.

Transcripts

Official (\$4 each) and unofficial transcripts (free) are available from the Registration Office. Request an official transcript in writing, including the name and address of the institution to which the transcript should be mailed. Transcripts will be mailed within 2 weeks, with a copy sent to the student.

Privacy

The School of Horticulture and Landscape Design complies with the Federal Education Rights and Privacy Act of 1974. The following categories of information concerning individual students and former students may be made available to the general public: name, attendance dates, telephone listing, date and place of birth, field of study, and previous education institutions attended by the student. Students may request that any of the above information not be released without their prior consent.

STATE LICENSING AND ACCREDITATION

The School of Horticulture and Landscape Design—which includes Horticulture and Landscape Design—is licensed with the New York State Bureau of Proprietary School Supervision (BPSS), a division of the New York State Department of Education. Licensure under the state recognizes the Certificate Programs in Horticulture and Landscape Design as high quality and career oriented.

Students of Licensed Private Schools in the State of New York have the right to file a complaint with the New York State Education Department if they believe that the School or anyone representing the School has acted unlawfully. Students may make complaints about the conduct of the school, advertising, standards and methods of instruction, equipment, facilities, qualifications of teaching and management personnel, enrollment agreement, methods of collecting tuition, School license or registration, School and student records, private School agents, and other charges.

To file a complaint, students should write to the New York State Education Department's Bureau of Proprietary School Supervision at 116 West 32nd Street, 5th Floor, New York, NY 10001, or call the Department at 212.643.4760, requesting an interview for the purpose of filing a written complaint. All relevant documents must be brought to the interview. If you cannot attend an interview, send a letter or call the Bureau to request a complaint form. You must complete and sign the form and mail it to the Bureau, including copies of all relevant documents. The Bureau cannot investigate any complaint made more than 2 years after the date of alleged occurrence.

Disclaimer

Content of courses and opinions expressed by instructors are their own and do not necessarily reflect the opinions or views of The New York Botanical Garden. The information provided does not, and is not intended to, constitute legal advice. No representation is made that any information provided constitutes the most up-to-date legal or other information.

Registration & General Information

Registration

The quickest way to register for a class is to visit nybg.org/ContEd

Entrance to the Garden on Class Days

You must present your ID and registration confirmation email at the Mosholu Entrance (2950 Southern Boulevard) to gain admittance to the Garden.

Storm Closings

Class cancellations due to inclement weather will be rescheduled.
For closings due to weather, call 718.817.8747 beginning at 7:30 am for a recorded message on the status of your class.

Refunds and Withdrawals

No discounts or refunds will be granted for missed classes. If you decide to withdraw from a course before it begins, you must notify the Registration Office ten full business days before the first session; we will issue a refund minus a \$25 processing fee. We will not issue refunds or credits if you withdraw after the deadline.

Note that there is no refund for any materials fees if you withdraw after the deadline of ten full business days before the first session.

In the rare case of course cancellation by NYBG, a full refund will be issued to you.

Holidays

No classes will be held on these dates: May 29, June 19, July 4, Sept. 4, Oct. 9, Nov. 23–24, Dec. 23–Jan. 2

Accessibility

NYBG is accessible to persons with disabilities. Please ask about accommodations when you register or visit nybg.org for more information.

Garden Membership

Become a Member today and receive year-round admission, access to Garden programs, discounts at NYBG Shop and on Continuing Education classes, and exclusive invitations to special Member Days, Trips, Tours, and Programs. For more information, call 718.817.8703 or visit nybg.org/membership

Gift Cards

Need the perfect gift for that plant-loving someone? Purchase a gift card at nybg.org/ContEd for a NYBG class and give the gift of learning!

Registration Is Easy!

Web


Register online at nybg.org/ContEd

Phone

718.817.8720 Registration Office, M–F 9 am–5 pm

The Garden | Quick and easy to reach:

Bronx River Parkway (Exit 7W)

 Metro-North Railroad to Botanical Garden Station



NEW CANAAN NATURE CENTER

144 Oenoke Ridge (Route 124), New Canaan, CT

FLORAL DESIGN			Page
6/1	11 am	Heirloom Garden Roses: Styling Nature	13
GARDENING			Page
4/1	10 am	Pruning: How, When, and Where	17
4/15	10 am	Soil Basics: Get It Right!	17

Update About Midtown Education Center

The last courses held in our Midtown Education Center will take place in April 2023. After this time, courses previously held at that site will move to NYBG and/or online.

Learning Resources at the Garden

The LuEsther T. Mertz Library of The New York Botanical Garden is the most comprehensive botanical and horticultural library in the world. Open Tuesday–Friday, 10 am–4 pm, reference services are available in-person, by email at libref@nybg.org, or by phone at 718.817.8681.

Apply for a library card and check out books from the circulating collection for three weeks at a time and have access to more than 100 electronic databases from home. Visit nybg.org/library to learn more.



New York Botanical Garden
2900 Southern Blvd
Bronx, New York 10458-5126

Address Service Requested



Grow with NYBG

Change your career. Beautify your green space. Exercise your creativity. Renew your spirit. The New York Botanical Garden has hundreds of classes to educate, inspire, and guide you.

Classes meet at our 250 magnificent acres in the Bronx and online. Flexible options available.

©Jeanette Gurney, Artists working in the Rose Garden, Watercolor and brown ink pen



The New York Botanical Garden is located on property owned in full by the City of New York, and its operation is made possible in part by public funds provided through the New York City Department of Cultural Affairs.

