Welcome

Spring is the time for new plans and projects, and Adult Ed is bursting with an engaging mix of online courses, in-person classes, and inspiring speakers to help you put your ideas into action.

In May, visionary artist Maya Lin presents *What Is Missing?*—her multisite memorial on extinction and habitat loss—followed by a wide-ranging discussion with Edwina von Gal. Then, landscape architect and professor Sara Zewde shows how Frederick Law Olmsted’s experiences in the antebellum South shaped his progressive ideals that continue to influence landscape designers today.

The Garden’s new exhibition, *Around the Table: Stories of the Foods We Love*, launches in June. Join us for *A Seat at the Table*, a special symposium celebrating the African American farmer—with author/filmmaker Natalie Baszile in conversation with Jessica B. Harris, plus a multigenerational panel of Black farmers moderated by farmer/activist Karen Washington.

July brings author/biologist Merlin Sheldrake for a conversation on the extraordinary world of fungi with mycophile Eugenia Bone. And throughout the season, our *Illuminating Garden Designers* series features Toby Musgrave, Noel Kingsbury, and James Golden.

If you’re looking to fast-track your NYBG Certificate, Summer Intensives are back—in Floral Design, Gardening, and Landscape Design.

So enjoy the catalog and get started on those new projects! We know you’ll find lots of fun and fascinating ways to learn and grow with us.

Registration is now open. Please visit [nybg.org/adulted](http://nybg.org/adulted) 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. You’ll receive notice of priority registration when new classes are added. And keep an eye out for Adult Ed e-newsletters with updates on new classes, sections, and speakers.

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

2 | Lectures
  Landscapes of Memory and Meaning with Sara Zewde
  Entangled Life: Merlin Sheldrake in Conversation with Eugenia Bone

3 | Symposium: A Seat at the Table
  Celebrating The African American Farmer: Natalie Baszile in
  Conversation with Jessica B. Harris
  Stories From The Farm: Moderated by Karen Washington

4 | Botanical Art & Illustration

8 | Botany

11 | Crafts & Culinary

14 | Floral Design

18 | Gardening

24 | Horticulture

28 | Horticultural Therapy

31 | Landscape Design

35 | Urban Naturalist

38 | Wellness

39 | CEUs, Professional Societies, & Academic Programs

40 | Academic Policies & Procedures

“Earning a Certificate in Horticulture at NYBG was the best thing I could have done to elevate my professional life as an artist, garden designer, and writer. Rigorous training, deeply knowledgeable faculty, direct learning in the gardens, and the opportunity to make new friends and colleagues all make it an invaluable experience!”

—REBECCA ALLAN,
  Current Student and Founder of Painterly Gardens

ABOUT THE COVER: The artwork throughout the catalog is by Virginia-based textile artist HILLARY WATERS FAYLE, who creates intricate mandalas with botanical materials and uses traditional techniques to meticulously embroider designs onto found natural objects. From simple lines to fully rendered florals, her artwork is a practice rooted in sustainability. Learn more about her work by visiting her website: hillarywfayle.com.
LANDSCAPES OF MEMORY AND MEANING
WITH SARA ZEWDE

This year marks the bicentennial of the birth of Frederick Law Olmsted, a towering figure whose work continues to benefit communities nationwide. Join landscape architect Sara Zewde as she discusses Olmsted’s often-overlooked journey through the Southern slave states, a period that shaped his understanding of the many ways landscape, class, ecology, and power intersect.

By exploring the four months she spent retracing Olmsted’s steps and her own deep archival research, Zewde examines the extent to which Southern landscapes today memorialize history and what that reveals about modern power dynamics. She will also discuss her own design work such as Genesee Street in Houston, TX and Graffiti Pier in Philadelphia, PA which will serve to illustrate just how transformative landscapes can be.

Sara Zewde, founding principal of Studio Zewde, upends traditional assumptions of what public spaces can be with her unique blend of landscape architecture, urbanism, public art, archival research, and community engagement. A Harvard University Graduate School of Design professor, Zewde has been named a United States Artists Fellow and an Emerging Voice by the Architectural League of New York.

Tuesday, May 17, 11 am–12 pm | Online | 224LAN814O | $23/$26
CEUs are available.

What Is Missing?
MAYA LIN + EDWINA VON GAL

In a remarkable career that has bridged art, architecture, and memorials, Maya Lin has presented new ways of seeing the world around us. Her highly acclaimed work explores how we relate to and experience the natural world, setting up a systematic ordering of the land that is tied to history, memory, time, and language.

As a committed environmentalist, Lin asks the viewer to reconsider nature and the environment at a time when it is crucial to do so. She is working on her last memorial, the highly experimental and visionary What Is Missing?—an ongoing, multisited memorial that focuses attention on extinction and habitat loss, sparks collective conversations, and poses solutions.

After introducing her project and its recent and future developments, Lin will join Edwina von Gal for a conversation covering climate change, protecting and restoring habitats, and the need to connect with nature.

Maya Lin is an American artist, architectural designer, and environmentalist whose works defy categories. From Storm King Wavefield, Where the Land Meets the Sea, and Eleven Minute Line to the Vietnam Veterans Memorial, she consistently explores new ways to experience the landscape and respond to the environment. Her many honors include the National Medal of Arts and the Presidential Medal of Freedom.

Edwina von Gal, principal of her eponymous landscape design firm since 1984, creates landscapes with a focus on simplicity and sustainability. Her collaborators include Frank Gehry, Maya Lin, and Toshiko Mori, and she counts Cindy Sherman, Calvin Klein, and Ina Garten among her clients. In 2013 she founded the Perfect Earth Project, a non-profit that promotes toxin-free land management.

Thursday, May 5, 11 am–12 pm | Ross Hall | 224HRT819 | $23/$26

ENTANGLED LIFE: Merlin Sheldrake in Conversation with Eugenia Bone

A massively diverse group of organisms, fungi support and sustain nearly all living systems. They throw our concepts of individuality and even intelligence into question. They can change our minds, heal our bodies, and help remediate environmental disasters. In conversation with food and nature journalist Eugenia Bone, biologist and award-winning author Merlin Sheldrake will discuss how these extraordinary organisms—and our relationships with them—can change our understanding of the planet on which we live, and the ways that we think, feel, and behave.

Thursday, July 21, 11 am–12 pm | Online | 231BOT819O | $23/$26
June marks the opening of NYBG’s Garden-wide exhibition, *Around the Table: Stories of the Foods We Love.*

This symposium brings a unique perspective to those stories, with two compelling sessions that explore how Black farming informs American history and culture in New York City and across the country.

**Celebrating the African American Farmer:** *Natalie Baszile in Conversation with Jessica B. Harris*

Natalie Baszile, author of the 2021 anthology *We Are Each Other’s Harvest*, sits down with food historian and scholar Dr. Jessica B. Harris for a live conversation in Ross Hall. Their wide-ranging dialogue will cover topics from the historical perseverance and resilience of Black farmers and their connection to the American land, to the generations of farmers who continue to farm despite systemic discrimination and land loss.

**Stories from the Farm:** *Moderated by Karen Washington*

Farmer, urban gardener, and activist Karen Washington moderates a multigenerational panel devoted to stories of Black farmers from many historical perspectives: North and South, Upstate and the Bronx, sharecroppers to family growers and urban farmers. Participants will give historical and contemporary context for Black farmers’ contributions to communities and food justice/sovereignty movements in urban and rural America.

**Natalie Baszile** is an author, filmmaker, and food justice activist. Her award-winning novel *Queen Sugar* was adapted for television by director Ava DuVernay and co-produced by Oprah Winfrey for OWN. Baszile holds a M.A. in Afro-American Studies from UCLA and is a graduate of Warren Wilson College’s MFA Program for Writers. She lives in San Francisco.

**Dr. Jessica B. Harris** is America’s leading scholar on the food and foodways of the African Diaspora. In 2020 she received the James Beard Lifetime Achievement Award, and last year her 12th book on food, *High on the Hog*, inspired a four-part Netflix series that earned raves from *The New York Times*, *Esquire*, and others. Dr. Harris was named one of *Time* magazine’s 100 Most Influential People of 2021.

**Karen Washington** is a community organizer and advocate. Karen Washington has helped turn empty Bronx lots into community gardens, spoken out for garden protection and preservation, and launched City Farms Market in the Bronx. Washington co-founded Black Urban Growers (BUGS) to support Black growers in urban and rural settings. She received the James Beard Leadership Award in 2014 and is currently on the boards of The New York Botanical Garden, Farm School NYC, Greenworker Cooperatives, and Soul Fire Farm. Washington is co-creator and organic grower at Rise & Root Farm in Chester, New York.

**Saturday, June 18, 10 am–12 pm I Ross Hall**

Admission is free; advance registration required

Register online at nybg.org/atthetable

Presented by The Humanities Institute with generous support from The Andrew W. Mellon Foundation
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/adulted.

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 singly.

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

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<tr>
<th>Course</th>
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<th>Hours</th>
<th>Page</th>
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<td>Botanical Watercolor II**</td>
<td>BIL 332</td>
<td>18</td>
<td></td>
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<td>Urban Lichens in Graphite &amp; Watercolor</td>
<td>BIL 387</td>
<td>15</td>
<td>7</td>
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<td>Spring Flowers in Colored Pencil &amp; Watercolor</td>
<td>BIL 405</td>
<td>9</td>
<td>6</td>
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<td>Drawing Conifers**</td>
<td>BIL 404</td>
<td>10</td>
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<td>Leaves in Watercolor</td>
<td>BIL 463</td>
<td>12</td>
<td>7</td>
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<td>Rendering Textures in Graphite</td>
<td>BIL 493</td>
<td>18</td>
<td>7</td>
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<tr>
<td>Ink Wash Techniques**</td>
<td>BIL 407</td>
<td>15</td>
<td></td>
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<tr>
<td>Illustrating Insects: Pollinators and Beyond</td>
<td>BIL 338</td>
<td>16</td>
<td>7</td>
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*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 PROGRAM COORDINATOR
ROBIN JESS AT BILCOORDINATOR@NYBG.ORG

FINAL PROJECT FOR CERTIFICATION: If you plan to graduate in June 2022, the final project due date is April 29, 2022. In order to be considered for graduation, you must submit a project proposal for approval to Robin Jess, the Program Coordinator. You must also show your work-in-progress to Robin at least once. Guidelines can be obtained by emailing adulted@nybg.org.

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. | $229/$249 |
4 Wednesdays, 4/27–5/18, 11 am–2 pm | Sarah Wry | NYBG | 224BIL145A |
4 Tuesdays, 5/3–5/24, 6–9 pm | Katy Lyness | Online | 224BIL145BO |
4 Mondays, 6/20–7/18 (no class 7/4), 6–9 pm | Katy Lyness | Online | 224BIL145CO |
4 Thursdays, 7/7–7/28, 6–9 pm | Katy Lyness | Online | 231BIL145DO |
4 Wednesdays, 9/14–10/12 (no class 10/5), 11 am–2 pm | Scott Rawlins | Online | 231BIL145EO |

BOTANICAL WATERCOLOR FOR BEGINNERS AND BEYOND
This class is designed for both inexperienced students and those who wish to improve their skills. Lectures and demonstrations are enhanced by individual instruction. Work at your own pace on a variety of pieces. | $345/$379 |
5 Thursdays, 5/26–6/23, 11 am–3:30 pm | Laura Vogel | Online | 224BIL140AO |
5 Mondays, 6/20–7/25 (no class 7/4), 11 am–3:30 pm | Laura Vogel | Online | 224BIL140BO |
5 Mondays, 8/1–8/29, 11 am–3:30 pm | Laura Vogel | Online | 231BIL140CO |
5 Mondays, 9/19–10/31 (no class 9/26 & 10/10), 11 am–3:30 pm | Laura Vogel | Online | 231BIL140DO |

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. | $75/$85 |
Sunday, 6/5, 10 am–3 pm | Betsy Rogers-Knox | Online | 224BIL156A |
Friday, 8/19, 10 am–3 pm | Betsy Rogers-Knox | Online | 231BIL156BO |

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.

Illustration: Vitis labrusca and Pyrus communis, Colored Pencil, ©Nina Petrochko
**Weekend Watercolor Online Workshops**

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

**MAGNOLIAS**
Saturday, 4/2, 11 am–4:30 pm
Laura Vogel | Online | 224BIL2170

**SPRING TULIPS**
Saturday, 4/23, 11 am–4:30 pm
Laura Vogel | Online | 224BIL207AO
Saturday, 5/14, 11 am–4:30 pm
Laura Vogel | Online | 224BIL207BO

**ROSES**
Saturday, 6/18, 11 am–4:30 pm
Adele Rosetti | Online | 231BIL271O

**SUCCULENTS**
Saturday, 7/16, 11 am–4:30 pm
Adele Rosetti | Online | 231BIL266O
Saturday, 7/23, 11 am–4:30 pm
Laura Vogel | Online | 231BIL266O

**ROSE OF SHARON**
Sunday, 8/7, 11 am–4:30 pm
Adele Rosetti | Online | 231BIL266O

**NEW! JAPANESE CHRYSANTHEMUMS**
Saturday, 9/10, 11 am–4:30 pm
Adele Rosetti | Online | 231BIL269O

Registration fee for each section: $95/$105

**Focus on dry brush!**

**MAGNOLIA SEED PODS IN DRY BRUSH WATERCOLOR**
Saturday, 4/9, 11 am–4:30 pm
Carrie Di Costanzo | Online | 224BIL254O

**NEW! HYDRANGEA LEAVES IN DRY BRUSH WATERCOLOR**
Saturday, 5/21, 11 am–4:30 pm
Carrie Di Costanzo | Online | 224BIL2800

**NEW! AVOCADOS IN DRY BRUSH WATERCOLOR**
Saturday, 6/25, 11 am–4:30 pm
Carrie Di Costanzo | Online | 224BIL267O

**NEW! MANGOS IN DRY BRUSH WATERCOLOR**
Saturday, 7/23, 11 am–4:30 pm
Carrie Di Costanzo | Online | 231BIL278O

**NEW! BOSC PEARS IN DRY BRUSH WATERCOLOR**
Saturday, 8/27, 11 am–4:30 pm
Carrie Di Costanzo | Online | 221BIL271O

**NEW! SPRUCE CONES IN DRY BRUSH WATERCOLOR**
Saturday, 9/17, 11 am–4:30 pm
Carrie Di Costanzo | Online | 221BIL284O

Registration fee for each section: $125/$135

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**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. $435/$479 Certificate Requirement

- 6 Tuesdays, 4/12–5/17, 6–9 pm
- Linda Nemergut | Online | 224BIL301AO
- 6 Wednesdays, 6/15–7/20, 6–9 pm
- Gaye Grossman | Online | 224BIL301CO

- 6 Tuesdays, 7/19–8/23, 11 am–2 pm
- Linda Nemergut | NYBG | 231BIL301D

**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 | $435/$479 Certificate Requirement

- 6 Thursdays, 4/14–5/19, 6–9 pm
- Laura Vogel | Online | 224BIL302AO
- 6 Wednesdays, 6/3–7/8, 6–9 pm
- Gaye Grossman | Online | 231BIL302CO

- 6 Thursdays, 6/15–7/20, 6–9 pm
- Gaye Grossman | Online | 231BIL301FO

**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 | $435/$479 Certificate Requirement

- 6 Thursdays, 7/14–8/18, 11 am–2 pm
- Linda Nemergut | Online | 231BIL303AO

- 6 Thursdays, 9/22–10/27, 5:30–8:30 pm
- Rose Marie James | Online | 231BIL303BO

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**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 I | $449/$495 Certificate Requirement

- 4 Saturdays, 4/2–4/23, 10 am–3 pm
- Betsy Rogers-Knox | Online | 224BIL421AO

- 4 Fridays, 9/16–10/7, 10 am–3 pm
- Betsy Rogers-Knox | Online | 231BIL421BO

**SPRING FLOWERS IN COLORED PENCIL AND WATERCOLOR**

Revel in spring while learning how to layer watercolor, colored pencil, and watercolor pencil to create rich color, detail, and form. You’ll experiment with a dynamic blend of botanical drawing and painting techniques while focusing on the structure of spring flowers in bloom. **Prerequisite:** Botanical Drawing I | $395/$435 Certificate Elective

- Monday, Tuesday, Thursday, 4/25, 4/26, 4/28, 11 am–2 pm
- Wendy Hollender | Online | 224BIL405O

**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 I | $435/$479 Certificate Requirement

- 8 Wednesdays, 5/4–6/22, 10 am–1 pm
- Rose Marie James | Online | 224BIL311AO

- 8 Wednesdays, 9/14–11/16 (no class 10/5 & 10/19), 11 am–2 pm
- Susan Sapanara | Online | 231BIL331BO

**COLORED 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 | $435/$479 Certificate Requirement

- 6 Tuesdays, 6/7–7/19 (no class 7/5), 6–9 pm
- Laura Vogel | Online | 224BIL410O
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 parts and growth stages of the most common plant families.

Prerequisite: Botanical Drawing I

Certificate Requirement

8 Wednesdays, 6/8–7/27, 10 am–12:30 pm
Dick Rauh | Online | 224BIL300AO

8 Wednesdays, 9/14–11/9 (no class 10/5), 10 am–12:30 pm
Dick Rauh | Online | 231BIL300BO

PEN AND INK

Pen and ink, so versatile and useful, can be used to create high-quality, easily reproducible drawings. Learn to produce different strokes and create tone by using stipple, line, and crosshatch techniques.

Prerequisite: Botanical Drawing II

Certificate Requirement

6 Fridays, 7/8–8/12, 11 am–2 pm
Carol Ann Morley | Online | 231BIL400O

NEW! URBAN LICHENS IN GRAPHITE AND WATERCOLOR

Capture the subtle beauty and color of lichen as it contrasts with the rough texture and neutral colors of a branch. Develop your drawing and toning skills using graphite as you render the subject. Then, further enhance your illustration using watercolor and a dry brush technique.

Prerequisite: Botanical Drawing II

Certificate Elective

6 Tuesdays, 9/13–10/11 (no class 9/27), 6–9 pm
Linda Nemergut | Online | 231BIL387O

NEW! ILLUSTRATING INSECTS: POLLINATORS AND BEYOND

Illustrators Maria Sibylla Merian and Art Cushman and botanical artists Marianne North and Marc Isaac-Williams accurately depict the complex beauty of insects. To better render these animals so crucial to the life of plants, we’ll explore the basics of insect classification, anatomy, and a bit of ecology. You’ll practice using watercolor washes to establish color, then follow up with detail work in colored pencil.

Prerequisite: Botanical Watercolor I

Certificate Elective

4 Thursdays, 6/9–6/30, 11 am–3 pm
Scott Rawlins | Online | 224BIL338O

VISITING ARTISTS

Join us for these special workshops with Rogério Lupo and Julia Trickey

NEW! RENDERING TEXTURES IN GRAPHITE WITH ROGÉRIO LUPO

Award-winning scientific illustrator Rogério Lupo shares how to finely render a wide variety of organic textures, from slim hairs and iridescent scales to striations and deep cavities. Study how the behavior of light, quality of reflections, and microstructure of a subject’s surface influence how we perceive an object. Then, practice how to capture this using graphite on white paper or graphite and a light-colored pencil on toned paper.

Prerequisite: Botanical Drawing III

Certificate Elective

3 Tuesdays & 3 Thursdays, 7/19–8/4, 11 am–2 pm
Rogério Lupo | Online | 231BIL493O

NEW! LEAVES IN WATERCOLOR WITH JULIA TRICKEY

As the trees begin to leaf out, discover how to bring your leaf illustrations to life with renowned UK botanical artist Julia Trickey. Learn to accurately portray the many textures and surfaces found in foliage with Trickey’s favorite watercolor technique, wet-in-wet. She will also show you how to properly define leaf veins using other techniques. Work from photos as well as physical leaf samples to depict the beauty and rich colors found in commonplace leaves.

Prerequisite: Botanical Watercolor I

Certificate Elective

Thursday–Saturday, 4/7–4/9, 10 am–2 pm
Julia Trickey | Online | 224BIL405O

Illustration: Microlicia cogniauxiana, Melastomataceae, Graphite and Colored Pencil, ©Rogério Lupo

Illustration: Ivy Leaves (middle), Autumnal London Plane Leaf (bottom left), Bramble Leaves (bottom right), Watercolor, ©Julia Trickey
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, or 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

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<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Hours*</th>
<th>Page</th>
</tr>
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<tr>
<td>Plant Structure</td>
<td>BOT 315</td>
<td>24</td>
<td>10</td>
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<td>Plant Physiology**</td>
<td>BOT 316</td>
<td>21</td>
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<tr>
<td>Dendrology: Woody Plant Identification</td>
<td>BOT 375</td>
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<td>Herbarious Plant Identification</td>
<td>BOT 376</td>
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<td>One of the four Native Flora courses:</td>
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<td>Native Flora in Autumn</td>
<td>BOT 331</td>
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<tr>
<td>Native Flora in Winter**</td>
<td>BOT 332</td>
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<tr>
<td>Native Flora in Spring</td>
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<td>Native Flora in Summer</td>
<td>BOT 334</td>
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<td>Elective Credits (See current electives below)</td>
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ELECTIVES

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<td>Nature’s Pharmacy</td>
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<td>GAR 360</td>
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<td>BOT 434</td>
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<td>The Science of Tree Communication</td>
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<td>Summer Mushrooms</td>
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<td>Autumn Mushrooms</td>
<td>BOT 368</td>
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<td>Crops and Climate</td>
<td>BOT 340</td>
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*Course hours do not include exam hours
**Courses offered in the Fall–Winter Catalog
P Courses with a prerequisite before you can register

QUESTIONS? CONTACT PROGRAM COORDINATOR
JAMIE BOYER, PH.D., AT JBOYER@NYBG.ORG
WEIRD LITTLE THINGS
Many corners of our world still contain mysteries that scientists and naturalists alike investigate to understand more about life on Earth, ourselves, and our society. In this fascinating symposium, we will pull back the curtain on Mother Nature to reveal some of her most intriguing secrets and celebrate the wonder of the most unusual, ancient organisms on our planet.

HUNTING ZOMBIE ANTS
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 the zombie-ant fungi. These parasitic fungi have evolved to take control of the ants they infect, and cause them to behave in ways they wouldn’t otherwise. Zombies, anyone?

TUESDAY, JUNE 14, 6–8 PM | ONLINE | 224BOT816O | $25/$29

SPRING MUSHROOMS
Discover how and where to hunt for Oysters, Inky Caps, Wine Caps, Dryad’s Saddle, Reishi, and the early spring Chicken Mushroom. Learn to correctly identify mushrooms, how to differentiate them from look-alikes, and cook or preserve them. $145/$159 Certificate Elective

2 WEDNESDAYS, 4/13 & 4/20, 10 AM–1 PM
Paul Sadowski | NYBG & Off-Site | 224BOT330

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. $115/$125 Certificate Elective

2 SATURDAYS, 4/23 & 4/30, 10 AM–12 PM
Andrea Candee | Online | 224BOT346A0
2 SATURDAYS, 6/4 & 6/11, 10 AM–12 PM
Andrea Candee | Online | 224BOT346B0

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. $295/$325 Certificate Elective

6 TUESDAYS, 5/3–6/7, 10:30 AM–12:30 PM
Jennifer Bakshi | Online | 224GAR3600

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). $125/$139 Certificate Elective

3 TUESDAYS, 5/10–5/24, 6–8 PM
Giselle Herrera | Online | 224BOT385A0
3 TUESDAYS, 7/12–7/26, 6–8 PM
Steve Kutos | Online | 231BOT385B0

WHAT’S THIS TREE ON MY BLOCK
Learn to distinguish Manhattan’s five most common genera and pinpoint particular species in this fun intro to tree identification. $59/$65

THURSDAY, 5/12, 6–8 PM
James Kaechele | Online | 224BOT223O

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. $59/$65 Certificate Elective

TUESDAY, 5/17, 6–8 PM
Eugenia Bone | Online | 224BOT302A0
THURSDAY, 8/4, 6–8 PM
Eugenia Bone | Online | 231BOT302B0

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. $145/$159

3 MONDAYS, 3/28–4/25 (NO CLASS 4/11, 4/18), 5:30–7:30 PM
Clara Holmes | Online | 223BOT308FO
3 SATURDAYS, 5/7–5/21, 10 AM–12 PM
Clara Holmes | Online | 224BOT308AO
3 TUESDAYS, 6/14–6/28, 5:30–7:30 PM
Jennifer Cappello-Ruggiero | Online | 224BOT308B0
3 FRIDAYS, 7/15–7/29, 10 AM–12 PM
Clara Holmes | Online | 224BOT308CO
3 TUESDAYS, 8/2–8/16, 5:30–7:30 PM
Clara Holmes | Online | 231BOT308DO
3 TUESDAYS, 9/13–9/27, 5:30–7:30 PM
Clara Holmes | Online | 231BOT308EO

PALEOBOTANY: THE ORIGIN OF PLANTS
Paleobotany, the study of plant evolution through fossil evidence, gives us insights into Earth’s flora, past and present. Gain a historical perspective on global diversity and climate change, and the origin and development of present-day trees and flowering plants. Prerequisite: Basic Plant ID or Plant Structure | $295/$325 Certificate Elective

6 THURSDAYS, 3/31–5/5, 5:30–7:30 PM
Jamie Boyer, Ph.D. | Online | 223BOT434O

SPRING MUSHROOMS
Discover how and where to hunt for Oysters, Inky Caps, Wine Caps, Dryad’s Saddle, Reishi, and the early spring Chicken Mushroom. Learn to correctly identify mushrooms, how to differentiate them from look-alikes, and cook or preserve them. $145/$159 Certificate Elective

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Paul Sadowski | NYBG & Off-Site | 224BOT330

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TUESDAY, 5/17, 6–8 PM
Eugenia Bone | Online | 224BOT302A0
THURSDAY, 8/4, 6–8 PM
Eugenia Bone | Online | 231BOT302B0

† The start time for all sections is as listed; end times vary. See website for the full schedule.
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. $295/$325 Certificate Elective
2 Thursdays, 6/2 & 6/9, 7–9 pm & 2 Saturdays, 6/4 & 6/11, 9 am–1 pm Michael Gaige | NYBG & Online | 224BOT326BL
NEW! GROCERY STORE BOTANY
Have you ever wondered why a strawberry is not considered a berry, but a tomato is? Dig deeper into the histories of common fruits and vegetables and explore the science behind the food we eat on a daily basis. $45/49
Thursday, 7/21, 6–7:30 pm Brooke Gibbard | Online | 231BOT293O
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. $145/$159 Certificate Elective
2 Wednesdays, 8/10 & 8/17, 10 am–1 pm Paul Sadowski | NYBG & Off-Site | 231BOT356
NEW! Crops and Climate
Farmers in Ethiopia are already experiencing the impacts of climate change through altered drought cycles and the increased presence of a variety of pests. NYBG ethnobotanist Alex McAlvay and Addis Ababa University Professor Zemedes Asfaw share what they have learned from interviews with Ethiopian farmers and agroecology research about the many ways traditional farming practices can help protect crops against climate uncertainty. | 75/$85 Certificate Elective
Thursday, 7/7, 10 am–1 pm Alex McAlvay, Ph.D. & Zemedes Asfaw, Ph.D. Online | 231BOT3400
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. | Prerequisite: Basic Plant ID or Plant Structure | $295/$325 Certificate Requirement
5 Saturdays, 4/9–5/21 (no class 4/16 & 5/14; rain date: 6/4), 10 am † Nancy Slowik | NYBG & Online | 214BOT333ABL
5 Thursdays, 4/14–5/12 (rain date: 5/19), 10 am † Nancy Slowik | NYBG & Online | 224BOT333BBL
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. | Prerequisite: Basic Plant ID or Plant Structure | $379/$415 Certificate Requirement
4 Tuesdays, 4/12–5/3, 6–8 pm & 3 Sundays, 4/24–5/8, 10:30 am–1 pm James Kaechele | NYBG & Online | 224BOT375ABL
4 Wednesdays, 9/21–10/12, 6–8 pm & 3 Sundays, 9/25–10/16 (no class 10/9), 10 am–12 pm James Kaechele | NYBG & Online | 231BOT375BBL
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. | $559/$615 Certificate Requirement
8 Mondays, 4/18–6/13 (no class 5/30), 6–9 pm Jasmin Alim | Online | 224BOT315AO
8 Wednesdays, 9/21–11/9, 5–8 pm Jamie Boyer, Ph.D. | NYBG | 231BOT315B
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. | Prerequisite: Plant Structure | $559/$619 Certificate Requirement
8 Wednesdays, 4/13–6/14, 6:30–9:30 pm Steve Kutos | Online | 224BOT3170
† The start time for all sections is as listed; end times vary. See website for the full schedule.
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 or Plant Structure | $295/$325 Certificate Requirement
3 Thursdays, 6/2–6/16, 6–8 pm & 2 Saturdays, 6/4 & 6/11, 9 am–1 pm Clara Holmes | NYBG & Online | 224BOT334BL
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. | Prerequisite: Basic Plant ID or Plant Structure | $355/$395 Certificate Requirement
6 Tuesdays, 5/24–6/28, 11 am–1:30 pm Avvah Rossi | NYBG | 224BOT376
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. | $145/$159 Certificate Elective
2 Wednesdays, 9/14–9/21, 10 am–1 pm Paul Sadowski | NYBG & Off-Site | 231BOT368
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 or Plant Structure | $295/$325 Certificate Requirement
5 Thursdays, 9/15–10/13 (rain date: 10/20) 10 am † Nancy Slowik | NYBG & Online | 231BOT331ABL
5 Saturdays, 9/17–10/22 (no class 10/8; rain date: 10/29), 10 am † Nancy Slowik | NYBG & Online | 231BOT331BBL
Crafts & Culinary

Let Mother Nature be your muse—use botanicals to create prints, fabrics, décor, and more!

WATERCOLOR BASICS
You love her New Yorker covers! Award-winning artist and seasoned educator Jenny Kroik is known for the loosely rendered, evocative scenes she describes as “very responsive—like a journal.” Using botanical subjects you have on hand, learn the basics of painting with watercolor or take your work to the next level in a casual environment. Have fun while experimenting with color and creativity! | $75/$85

Saturday, 4/9, 12–2 pm
Jenny Kroik | Online | 224CRF277A0

Thursday, 6/16, 6:30–8:30 pm
Jenny Kroik | Online | 224CRF277B0

Thursday, 8/11, 6:30–8:30 pm
Jenny Kroik | Online | 231CRF277C0

NEW! SPRING TABLE DÉCOR
Get your table ready to celebrate the return of spring! Use madder root, marigold, and indigo to dye a set of cloth napkins and organic eggs in soft, matching hues. We’ll also have a variety of dried flowers and grasses on hand that you can use to print organic, negative patterns on your table décor. All materials provided. | $125/$139.

Sunday, 4/10, 10 am–1 pm
Poliana Danila | NYBG | 224CRF101

NEW! ORIGAMI FLOWERS
Experience the meditative quality of origami, the simple yet intricate art of folding paper. We’ll create a variety of flowers—from tulips and carnations to roses and irises—starting with simple models and progressing to more complex patterns that require inflating and twisting. See website for materials list. | $45/$49

Thursday, 7/21, 11 am–1 pm
Jeff Raab | Online | 231CRF2690

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, you’ll learn which materials work best and where to look for them. Then, you’ll mix, test, and transform what you’ve foraged into rich, vibrant inks using simple household ingredients. | $85/$95

2 Saturdays, 8/13 & 8/20, 11 am–1 pm
Jason Logan | NYBG | 231CRF187

TURNING FLOWERS INTO ART
Bring the beauty of dried flowers into your home. In the first session, discover which flowers last the longest, how to gather, press, and preserve them, and when to use which materials such as glycerin and silica gel. Then, using the flowers you’ve dried, paint them to print with, hammer them onto watercolor paper for an embossed look, or press them directly on paper. See website for materials list. | $85/$95

2 Saturdays, 5/7 & 5/21, 2–4 pm
Madeline Yanni | Online | 224CRF237A0

2 Sundays, 9/18 & 10/2, 2–4 pm
Madeline Yanni | Online | 231CRF237B0

NEW! FLORAL FOLK EMBROIDERY
Try your hand at centuries-old Eastern European surface embroidery techniques with artist Sarah Pedlow. View a variety of floral patterns used on 17th- and 18th-century textiles for inspiration, then learn how to stitch a pattern based on a Polish design. Beginner and intermediate sewers welcome! See website for materials list. | $75/$85

Sunday, 5/22, 11 am–1 pm
Sarah Pedlow | Online | 224CRF107O

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Get your table ready to celebrate the return of spring! Use madder root, marigold, and indigo to dye a set of cloth napkins and organic eggs in soft, matching hues. We’ll also have a variety of dried flowers and grasses on hand that you can use to print organic, negative patterns on your table décor. All materials provided. | $125/$139.

Sunday, 4/10, 10 am–1 pm
Poliana Danila | NYBG | 224CRF101

ALL ABOUT TERRARIUMS AND VIVARIUMS
Discover how to design your own terrarium or vivarium with Christopher Satch, plant scientist and award-winning exhibitor at the Philadelphia Flower Show. Through lecture and demonstration, he’ll discuss how to set up a simple, easy care terrarium, how to create an automated climate-controlled vivarium, and everything in between. | $45/$49

Saturday, 6/11, 10 am–12 pm
Christopher Satch | Online | 224CRF275O

NEW! 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, you’ll learn which materials work best and where to look for them. Then, you’ll mix, test, and transform what you’ve foraged into rich, vibrant inks using simple household ingredients. | $85/$95

2 Saturdays, 8/13 & 8/20, 11 am–1 pm
Jason Logan | NYBG | 231CRF187

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2 Saturdays, 8/13 & 8/20, 11 am–1 pm
Jason Logan | NYBG | 231CRF187
NEW! AGAVE FIBER BROOMS
Explore the ancient technique of broom making. Fiber artist and educator Poliana Danila will show you how to work with natural materials to create a useful and beautiful hand broom. Using agave fibers, you’ll make a 5-inch broom that can be used as a sweeper or displayed as a work of art. All materials provided. $125/$139
Sunday, 8/14, 10 am–1 pm
Poliana Danila | NYBG | 231CRF257

NEW! BOTANICAL DYE 101
Experiment with garden flowers to produce brilliant golden hues on cloth made of vegetable fibers such as 100% cotton, linen, or hemp. We will cover how to prepare and mordant the fabric in order to achieve a rich, deep color that will retain its vibrant hue for years to come. See website for materials list. $59/$65
Saturday, 8/20, 11 am–1 pm
Geraldine Lavin | Online | 231CRF103O

WOVEN WILLOW OBELISK
A staple of English gardens, a willow obelisk serves as a graceful plant support or a decorative focal point in your garden. Learn traditional willow weaving techniques, including randing and pairing, then craft your own eco-friendly obelisk, which will include an Irish mouth wale base and a Japanese eye knot top. Strong hands are a must! $215/$239
Friday, 6/10, 10 am–4 pm
Jesica Clark | NYBG | 224CRF166

NEW! WOVEN WILLOW TRAY
Join us to fashion your own skib, a traditional Irish basket. You’ll learn to use a pairing weave to craft an open center and waling to fashion the sides. You’ll finish your tray with a decorative woven border, perfect for serving food, drying herbs, or displaying as a piece of art. $215/$239
Friday, 9/16, 10 am–4 pm
Jesica Clark | NYBG | 231CRF208

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 718.817.8720

Focus on Photography

THE ORCHID SHOW: SPECIAL PHOTOGRAPHER’S 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 Conservatory!), since you’ll be shooting with available light. No backdrops or screens permitted. $45/$65
Friday, 3/25, 8:30–10 am | 223GWP229

FLASH PHOTOGRAPHY
Master techniques to achieve the best lighting and exposure for taking pictures inside the Conservatory without the use of tripods or monopods. $45/$49
Thursday, 4/7, 6–8 pm
Jeffrey Falk | Online | 224GWP937O

ABSTRACT PHOTOGRAPHY
Experiment with composing abstract images using botanical subjects. Expert photographer Douglas Dubler will show you how to use the lines, shapes, patterns, textures, and colors of petals, leaves, stems, and vines to create intriguing pictures. Digital cameras with manual focus required; no phones. $59/$65
Saturday, 6/11, 2–5 pm
Douglas Dubler | NYBG | 224GWP211

PHOTOGRAPHING POLLINATORS
Discover tips and tricks for finding and capturing pollinators in action, as well as the best ways to approach subjects in the field. Practice new techniques on Garden grounds and learn to get the most from your equipment, whatever you may use. We will also cover post-processing techniques. $79/$85 Certificate Elective
2 Saturdays, 8/13 & 8/20 (rain date 8/21), 11 am–1 pm
Ken Chaya | NYBG & Online | 231NAT335BL
**NEW! JAPANESE KNOTWEED: EDIBLE INVASIVE**

Japanese knotweed is one of the most versatile ingredients in the forager’s spring pantry and one of the most invasive plants in the U.S. today. In this walk-and-talk, we’ll discuss the best time and way to harvest it, its use in the supplement industry, and techniques to include it in warming soups, quick pickles, slow braises, and delicious desserts. Outside only; rain or shine. | $59/$65

Thursday, 4/21, 11 am–1 pm  
Marie Viljoen | NYBG | 224CKG220

**SPRING EDIBLE PLANTS**

Accompany wild foods author and forager Marie Viljoen on a mid-spring stroll through the Garden to identify a host of edible flowers and plants and discover their culinary and mixology potential. We’ll cover how to forage sustainably using ramps as a case study, as well as how to grow vulnerable native edibles at home. Outside only; rain or shine. | $59/$65

Thursday, 5/12, 11 am–2 pm  
Marie Viljoen | NYBG | 224CKG245

**NEW! THE FANTASTIC FUNGI COMMUNITY COOKBOOK**

Join award-winning nature and food writer Eugenia Bone for a taste of her latest creation, the Fantastic Fungi Community Cookbook, a compilation of recipes from mushroom lovers around the world. She’ll highlight six common wild or cultivated mushrooms and give you tips on cooking and participating in the mushroom hunting scene. | $45/$49

Wednesday, 6/29, 6–7:30 pm  
Eugenia Bone | Online | 224CKG2140

**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. | $75/$85

Wednesday, 6/8, 6–8 pm  
John Michelotti | Online | 224CKG207A

**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 take home jars of pickles in each of these styles, recipes for tasty pickled goodies, and tips and tricks you can use to keep pickling all kinds of produce! All materials provided. | $85/$95

Saturday, 8/6, 11 am–3 pm  
Stephen Nocera | NYBG | 231CKG221

**SEASONAL BERRY JAM**

Trained in preservation techniques at Cornell, Stephen Nocera will demonstrate three distinct methods of jamming—using reduced sugar, using pectin, and without additives or pectin. You’ll come away with the techniques and recipes you need to keep jamming at home. All materials provided. | $79/$85

Saturday, 6/18, 11 am–2 pm  
Stephen Nocera | NYBG | 224CKG200

**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 also discuss the basics of canning and food safety. All materials provided. | $79/$85

Saturday, 7/9, 11 am–2 pm  
Stephen Nocera | NYBG | 231CKG231

**NEW! SHRUBS: TASTY, TANGY BOTANICAL BEVERAGES**

Delight your guests with these sophisticated, refreshing drinks. Both tart and sweet, a shrub is a tasty tonic made with a vinegar base, fruit, sugar, and herbs, and topped with mineral water or your favorite spirit. You can try your hand at making your own shrub during class, or use the knowledge you gain from demonstrations and recipes (including Elderberry and Pink Peppercorn) at a later date. See website for materials list. | $45/$49

Thursday, 6/23, 6:30–8 pm  
Cheryl Paswater | Online | 224CKG2330

**THE TOTAL TOMATO**

Wondering what to do with your bounty of tomatoes? Preserve them, of course! We’ll show you the best ways to process and hot pack your harvest, with a simple method borrowed from industrial canning. You’ll make a chili tomato salsa, marinara sauce, and crushed tomatoes for the pantry, all of which will be safely preserved for future use. All materials provided. | $85/$95

Saturday, 8/27, 11 am–3 pm  
Stephen Nocera | NYBG | 231CKG226

**SUMMER EDIBLE PLANTS**

Take a guided summer ramble with wild foods author and forager Marie Viljoen who will teach you how to identify and use the edible plants that surround us in plain sight such as Beebalm, Sumac, Spicebush, Cornelian Cherries, and Aronia. See how these plants grow in the Garden as we discuss cultivation, conservation, and sustainable methods of foraging. Outside only; rain or shine. | $59/$65

Wednesday, 8/17, 11 am–2 pm  
Marie Viljoen | NYBG | 231CKG256

**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. | $79/$85

Wednesday, 7/13, 6–9 pm  
Jim Freeman | Manhattan | 231CKG240

**SHRUBS: TASTY, TANGY BOTANICAL BEVERAGES**

Delight your guests with these sophisticated, refreshing drinks. Both tart and sweet, a shrub is a tasty tonic made with a vinegar base, fruit, sugar, and herbs, and topped with mineral water or your favorite spirit. You can try your hand at making your own shrub during class, or use the knowledge you gain from demonstrations and recipes (including Elderberry and Pink Peppercorn) at a later date. See website for materials list. | $45/$49

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Cheryl Paswater | Online | 224CKG2330

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Thursday, 6/23, 6:30–8 pm  
Cheryl Paswater | Online | 224CKG2330
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 adulted@nybg.org or call 718.817.8720.
- 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Hours</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamentals of Form</td>
<td>FDN 300</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Fundamentals of Style</td>
<td>FDN 302</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Wedding Design I: Personals</td>
<td>FDN 304</td>
<td>18</td>
<td>17</td>
</tr>
<tr>
<td>Color Theory for Floral Design</td>
<td>FDN 306</td>
<td>6</td>
<td>17</td>
</tr>
<tr>
<td>Flower ID from A to Z</td>
<td>FDN 308</td>
<td>6</td>
<td>17</td>
</tr>
<tr>
<td>Interior Plantscapes</td>
<td>FDN 310</td>
<td>8</td>
<td>17</td>
</tr>
<tr>
<td>Shopping the New York Flower Market</td>
<td>FDN 400</td>
<td>4</td>
<td>17</td>
</tr>
<tr>
<td>Modern Sympathy Designs**</td>
<td>FDN 382</td>
<td>6</td>
<td>—</td>
</tr>
<tr>
<td>Wedding Design II: Ceremony &amp; Reception</td>
<td>FDN 305</td>
<td>16</td>
<td>17</td>
</tr>
<tr>
<td>Grand-Scale Arrangements</td>
<td>FDN 502</td>
<td>8</td>
<td>17</td>
</tr>
<tr>
<td>Event Planning for the Floral Designer</td>
<td>FDN 504</td>
<td>12</td>
<td>17</td>
</tr>
<tr>
<td>Elective courses</td>
<td></td>
<td>26</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL REQUIRED HOURS 142
ELECTIVES

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Hours</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prop Styling with Botanicals</td>
<td>FDN 312</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td>Artisanal Tabletop: Spring Bulb Centerpiece</td>
<td>FDN 301</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td>Compose Arrangement</td>
<td>FDN 349</td>
<td>4</td>
<td>16</td>
</tr>
<tr>
<td>Late-Spring Splendor</td>
<td>FDN 309</td>
<td>3</td>
<td>16</td>
</tr>
<tr>
<td>Peonies in a Modern Palette</td>
<td>FDN 315</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td>Wired Handheld Bouquet</td>
<td>FDN 303</td>
<td>3</td>
<td>16</td>
</tr>
<tr>
<td>Heirloom Garden Roses: Styling Nature</td>
<td>FDN 366</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td>Exploring Tablescapes: Floral Runners</td>
<td>FDN 362</td>
<td>4</td>
<td>15</td>
</tr>
<tr>
<td>Style and Shoot: Dutch Masters</td>
<td>FDN 318</td>
<td>7</td>
<td>16</td>
</tr>
</tbody>
</table>

**Courses offered in the Fall–Winter Catalog

Courses with a prerequisite before you can register

QUESTIONS? CONTACT PROGRAM COORDINATOR

THOMAS CAWLEY AT FDNCOORDINATOR@NYBG.ORG

FLOWER ARRANGING AT HOME

Bring cheer into your home and exercise your botanical creativity, with live, real-time direction. Watch your fellow students’ efforts online and get personal critiques from your instructor as you build your elegant arrangement with fresh flowers and veggies from your own garden, farmers market, or local grocery store. | $45/$49

- Monday, 3/28, 6–8 pm | Nsombi Woodson | Online | 223FDN243FO
- Wednesday, 4/13, 6–8 pm | Nsombi Woodson | Online | 224FDN243AO
- Monday, 5/16, 6–8 pm | Nsombi Woodson | Online | 224FDN243BO
- Monday, 6/20, 6–8 pm | Nsombi Woodson | Online | 224FDN243CO
- Monday, 7/11, 6–8 pm | Rose G. Edinger | Online | 231FDN243DO
- Wednesday, 8/3, 6–8 pm | Rose G. Edinger | Online | 231FDN243EO
- Thursday, 9/15, 6–8 pm | Rose G. Edinger | Online | 231FDN243FO

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. $45 materials fee. | $49/$55

- Thursday, 5/5, 6–8 pm | Barbara Mele | Manhattan | 224FDN210A
- Wednesday, 8/17, 6–8 pm | Barbara Mele | Manhattan | 231FDN210B

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. $125 materials fee. | $115/$125 Certificate Elective

- Wednesday & Thursday, 4/13 & 4/14, 6–8 pm | Barbara Mele | Manhattan | 224FDN362

SUMMER INTENSIVE PROGRAM

**July 11–August 12**

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 ASAP.

**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
- Four Specialty Electives

- July 11–August 12, Monday–Friday, 10 am–5 pm | NYBG | 231FDN950

**TUITION AND REFUNDS**

$6,435 (Member) / $7,079 (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 30.

Questions about the Intensive?

Call 718.817.8720 or email: adulted@nybg.org
ARTISANAL TABLETOP: SPRING BULB CENTERPIECE
Style a glorious spring centerpiece bursting with sweet hyacinths, daffodils, and ruffled parrot tulips. Discover where to source the best flowers and how to artfully add organic vegetables and herbs to your arrangement. You will leave with a tabletop-ready arrangement set in a rectangular wooden container for an artisanal look. $85 materials fee. | $115/$125 Certificate Elective
Saturday, 4/30, 10:30 am–12:30 pm
Trish O’Sullivan | New Canaan | 224FDN301

PEONIES IN A MODERN PALETTE
With gorgeous pink palettes and intoxicating fragrance, peonies are the blossoms most loved by floral designers and enthusiasts. You will learn how to select complementary shades and vases to offset their beauty. Then, focus on styling a centerpiece using a soft palette and a white ceramic vase for a clean, monochromatic look. $95 materials fee. | $115/$125 Certificate Elective
Wednesday, 5/4, 10:30 am–12:30 pm
Trish O’Sullivan | NYBG | 224FDN315

NEW! WIRED HANDHELD BOUQUET
A fully wired bridal bouquet is the pinnacle of sophistication and luxury. Floral artist Joshua Werber, known for his sculptural headpieces and other botanical wearables, will show you a variety of techniques to wire seasonal blooms into a modern handheld bouquet. $150 materials fee. $125/$135 Certificate Elective
Tuesday, 5/10, 6–9 pm
Joshua Werber | Manhattan | 224FDN303

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. $150 materials fee. | $125/$135 Certificate Elective
Wednesday, 6/8, 10:30 am–3 pm
Nsombi Woodson | Manhattan | 224FDN349

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. $150 materials fee. | $125/$135 Certificate Elective
Thursday, 5/26, 6–9 pm
Joshua Werber | Manhattan | 224FDN309

NEW! 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 techniques to combine delicate shades of heirloom rose varieties such as Amnesia, Pink Profusion, and Early Gray for an exquisite, modern design. $85 materials fee. | $115/$125 Certificate Elective
Wednesday, 6/22, 10:30 am–12:30 pm
Trish O’Sullivan | NYBG | 224FDN366

PROP STYLING WITH BOTANICALS
Professional prop stylist Robin Zachary shares her insights on styling photos using botanicals. She’ll demonstrate how to curate a variety of tabletop settings, including modern, vintage, and rustic photos using botanicals. | $59/$65 Certificate Elective
Saturday, 7/16, 11 am–1 pm
Robin Zachary | Online | 231FDN3120

NEW! STYLE AND SHOOT: DUTCH MASTERS
Spend an inspiring day honing your floral design and social media marketing skills! In the morning, craft a lush design in the Flemish style with a modern twist. Then, style still life vignettes using your arrangement and a variety of props, which you’ll photograph with your smartphone. Learn helpful tips and tricks to creating successful social content to promote your floral talents. $100 materials fee. | $195/$215 Certificate Elective
Saturday, 7/30, 10 am–5 pm
Barbara Mele & Jamie Jamison | Manhattan | 231FDN318

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. $275 materials fee. | $395/$435 Certificate Requirement
4 Tuesdays, 5/3–5/24, 10 am–2:30 pm
Thomas Cawley | NYBG | 224FDN302A

4 Saturdays, 4/30–5/21, 10 am–2:30 pm
Barbara Mele | Manhattan | 224FDN300B

Wednesday–Friday, 5/11–5/13, 10 am–4 pm
Nsombi Woodson | Online | 224FDN300CO

4 Saturdays, 9/10–10/1, 10 am–2:30 pm
Barbara Mele | Manhattan | 231FDN300D

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. $275 materials fee. | $395/$435 Certificate Requirement
4 Tuesdays, 5/3–5/24, 10 am–2:30 pm
Thomas Cawley | NYBG | 224FDN302A

Wednesday–Friday, 5/25–5/27, 10 am–4 pm
Nsombi Woodson | Online | 224FDN302B

4 Saturdays, 6/4–7/9 (no class on 6/18 or 7/2), 10 am–2:30 pm
Barbara Mele | Manhattan | 224FDN302C

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 718.817.8720
**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. $250 materials fee.

- **Prerequisite:** Fundamentals of Style | $395/$435
- **Certificate Requirement**
- **4 Tuesdays, 3/8–3/29, 10 am–2:30 pm**
  - Thomas Cawley | NYBG | 224FDN304D
- **4 Tuesdays, 6/7–6/28, 10 am–2:30 pm**
  - Thomas Cawley | NYBG | 224FDN304

**FLOWER ID FROM A TO Z**

Learn to identify new floral varieties of old favorites, seasonal flowers, and various foliages. Topics include special handling requirements of many flower types. See website for materials list. $195/$215

- **Certificate Requirement**
- **3 Thursdays, 3/10–3/24, 6–8:30 pm**
  - Rose G. Edinger | Online | 224FDN305
- **3 Fridays, 3/11 & 3/18, 10 am–2:30 pm**
  - Chris Raimondi, CLP | NYBG | 224FDN310B
- **4 Mondays, 4/25–5/16, 10 am–2:30 pm**
  - Rose G. Edinger | Online | 224FDN308BO

**INTERIOR PLANTSCAPES**

Florists and designers who want long-lasting, gorgeous interior plantings won't want to miss this unique class highlighting essential horticulture practices for selecting and maintaining plants for atria, corporate offices, and special events. Trimming, pruning, soil testing, pest prevention, cleaning, and more are covered. $30 materials fee. $195/$215

- **Certificate Requirement**
- **3 Mondays, 4/4, 4/11, 4/18, 6–8 pm** | Online
- **Certificate Requirement**
- **2 Thursdays, 6/2 & 6/9, 10 am–2:30 pm**
  - Thomas Cawley | NYBG | 224FDN504

**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 tablescapes. $185 materials fee.

- **Prerequisite:** Wedding Design II | $285/$315
- **Certificate Requirement**
- **3 Thursdays, 4/7–4/21, 10 am–2:30 pm**
  - Thomas Cawley | NYBG | 224FDN504

**COLOR THEORY FOR FLORAL DESIGN**

Colors—like flowers themselves—evolve 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. See website for materials list. | $195/$215

- **Certificate Requirement**
- **3 Tuesdays, 4/26–5/10, 6–8:30 pm**
  - Rose G. Edinger | Online | 224FDN306AO
- **3 Mondays, 7/18–8/1, 6–8:30 pm**
  - Rose G. Edinger | Online | 223FDN308BO

**WEDDING DESIGN II: CEREMONY & RECEIPTION**

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. $245 materials fee.

- **Prerequisite:** Wedding Design I | $395/$435
- **Certificate Requirement**
- **4 Mondays, 4/25–5/16, 10 am–2:30 pm**
  - Thomas Cawley | NYBG | 224FDN305

**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. Lunch is not included. Dress for the weather. $95/$105

- **Prerequisite:** Fundamentals of Form
- **Certificate Requirement**
- **Friday, 5/20, 9 am–12:30 pm**
  - Nsombi Woodson | Off site | 224FDN400B
- **Thursday, 8/18, 9 am–12:30 pm**
  - Nsombi Woodson | Off site | 231FDN400B

**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. $225 materials fee.

- **Prerequisite:** Wedding Design II | $229/$255
- **Certificate Requirement**
- **2 Thursdays, 6/2 & 6/9, 10 am–2:30 pm**
  - Thomas Cawley | NYBG | 224FDN502

**SUSTAINABLE DESIGN SERIES**

- **3 Mondays, 4/4, 4/11, 4/18, 6–8 pm | Online**
  - Learn how different tools can be used to anchor flowers and achieve unique shapes, without the use of floral foam. Take one class or sign up for all three!

**FLORAL PIN FROG**

Study the ins and outs of using pin frogs to secure a variety of flowers within an arrangement to create a sense of movement and openness.

- **April 4 | Rose G. Edinger | 224FDN271O**

**ALUMINUM WIRE**

Learn how to properly manipulate aluminum craft wire (16 gauge) to create a supportive metal framework for contemporary arrangements.

- **April 11 | Rose G. Edinger | 224FDN2720**

**BRANCHES**

Discover which branches work best, and practice properly placing them to achieve the desired height and fullness in your design.

- **April 18 | Rose G. Edinger | 224FDN2730**

Registration fee for each section: $55/$59
All Three Sections: $145/$159 | 224FDN2700

See website for materials list.
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

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Hours</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamentals of Gardening</td>
<td>GAR 301</td>
<td>12</td>
<td>21</td>
</tr>
<tr>
<td>Introduction to Plant Science</td>
<td>HRT 300</td>
<td>16</td>
<td>25</td>
</tr>
<tr>
<td>Soil Science for Gardeners</td>
<td>GAR 302</td>
<td>12</td>
<td>22</td>
</tr>
<tr>
<td>Gardening with Native Plants</td>
<td>GAR 315</td>
<td>8</td>
<td>22</td>
</tr>
<tr>
<td>Insect Identification and Management</td>
<td>GAR 320</td>
<td>12</td>
<td>22</td>
</tr>
<tr>
<td>Disease Identification and Management</td>
<td>GAR 324</td>
<td>12</td>
<td>22</td>
</tr>
<tr>
<td>Fundamentals of Garden Design</td>
<td>GAR 342</td>
<td>P</td>
<td>12</td>
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<tr>
<td>Vegetable Gardening</td>
<td>GAR 431</td>
<td>P</td>
<td>12</td>
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<tr>
<td>Complete Garden Care and Maintenance</td>
<td>GAR 440</td>
<td>P</td>
<td>18</td>
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<td>Pruning Principles and Practices**</td>
<td>HRT 321</td>
<td>15</td>
<td>—</td>
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<tr>
<td>Plants for Landscaping</td>
<td>HRT 358</td>
<td>16</td>
<td>26</td>
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<tr>
<td>Plant Propagation I: Basic Principles</td>
<td>HRT 411</td>
<td>P</td>
<td>18</td>
</tr>
</tbody>
</table>

Elective GAR or HRT courses

TOTAL REQUIRED HOURS 187

ELECTIVES

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Hours</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basics of Perennial Maintenance</td>
<td>GAR 323</td>
<td>6</td>
<td>20</td>
</tr>
<tr>
<td>Container Gardening</td>
<td>GAR 327</td>
<td>8</td>
<td>20</td>
</tr>
<tr>
<td>Botanical Latin</td>
<td>GAR 360</td>
<td>12</td>
<td>22</td>
</tr>
<tr>
<td>Rooftop Gardening</td>
<td>GAR 328</td>
<td>6</td>
<td>21</td>
</tr>
<tr>
<td>Intro to Herbs</td>
<td>GAR 333</td>
<td>6</td>
<td>21</td>
</tr>
<tr>
<td>The Native Pollinator Garden</td>
<td>GAR 340</td>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td>Gardening with Ferns</td>
<td>GAR 348</td>
<td>6</td>
<td>20</td>
</tr>
<tr>
<td>Knowing and Growing Roses</td>
<td>GAR 361</td>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td>The Native Garden in Fall and Winter</td>
<td>GAR 369</td>
<td>4</td>
<td>21</td>
</tr>
<tr>
<td>Super Small Space Veggie Gardening</td>
<td>GAR 330</td>
<td>9</td>
<td>21</td>
</tr>
</tbody>
</table>

**Courses offered in the Fall—Winter Catalog

P Courses with a prerequisite before you can register

For professional organizations, see p. 39.

QUESTIONS? CONTACT PROGRAM COORDINATOR

DARYL BEYERS 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. $185/$205

See p. 33 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. I $75/$85

Saturday, 3/19, 10:30 am–2:30 pm
Ann Perkowski | New Canaan | 223GAR236D

Sunday, 3/27, 10:30 am–2:30 pm
Ann Perkowski | NYBG | 223GAR236C

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. I $79/$85

2 Fridays, 4/1 & 4/8, 9:30–11:30 am
Kim Eierman | Online | 224GAR216O

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. I $55/$59

2 Mondays, 4/4 & 4/11, 5–6:30 pm
Michael Hagen | Online | 224GAR287O

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. I $55/$65

Saturday, 4/9, 9:30–11:30 am
Lorraine Ballato | Online | 224GAR241O

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. I $79/$85

2 Wednesdays, 5/4 & 5/11, 6:30–8:30 pm
Michael Troy Brown | Manhattan | 224GAR173

SUMMER INTENSIVE PROGRAM

July 11–July 29

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

Monday–Friday, July 11–July 29, 9 am–4 pm | NYBG | 231GAR950

TUITION AND REFUNDS
$1,925 (Member) / $2,125 (Non-Member)

A $635 non-refundable deposit is due at registration.

An optional payment schedule is available if requested. No refunds after June 30.

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

DARYL BEYERS AT GARCOORDINATOR@NYBG.ORG
February 26–May 1, 2022

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

**ORCHIDS FOR BEGINNERS**

Though orchids are the most common houseplant in America, many people still feel slightly intimidated by caring for them. Learn the basics! Explore how these beauties grow in nature and what that can teach us about keeping your plants healthy. | $55/$59

- **Saturday, 3/12, 11 am–1 pm**
  Barbara Schmidt | NYBG | 223GAR213B
- **Wednesday, 5/11, 6–8 pm**
  Barbara Schmidt | Online | 224GAR213C0

**PHALAENOPSIS 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. | $55/$59

- **Wednesday, 3/23, 6–8 pm**
  Christopher Satch | Online | 223GAR213EO
- **Thursday, 4/14, 6–8 pm**
  Christopher Satch | Online | 224GAR213AO

**DESKTOP ORCHIDS**

Growing orchids indoors comes with its own unique challenges. Explore which orchid genus fares best in your indoor environment, as well as how to ensure your orchids have what they need to grow and bloom. | $55/$59

- **Saturday, 4/23, 11 am–1 pm**
  Barbara Schmidt | Online | 224GAR213B0
- **Saturday, 5/26–6/9, 6–8 pm**
  Jennifer Cappello-Ruggiero | Online | 224GAR323O

**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. | $229/$249 Certificate Elective

- **3 Thursdays, 5/26–6/9, 6–8 pm**
  Jennifer Cappello-Ruggiero | Online | 224GAR323O

**LANSCAPE 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. | $55/$59

- **Sunday, 4/24, 11 am–1 pm**
  Daryl Beyers | Online | 224GAR326AO
- **Sunday, 6/12, 11 am–1 pm**
  Daryl Beyers | Online | 224GAR326BO

**SHADY CHARACTERS**

Move beyond Hosta! Explore the wide variety of plants that thrive in the shade while bringing charm and color. Discover how to turn shady conditions to your advantage, so that you can cherish your shade as the calming treasure it is. | $65/$69

- **Saturday, 5/7, 10 am–1 pm**
  Lorraine Ballato | NYBG | 224GAR142

**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. | $79/$85

- **2 Fridays, 5/13 & 5/20, 10:30 am–12:30 pm**
  Kim Eierman | Online | 224GAR212O

**A GARDEN DESIGN PRIMER**

Put all your garden ideas into practice with this practical overview of the best layout plans and circulation patterns. Learn how to analyze space and proportions to create a coherent landscape design that complements both home and garden. | $55/$59

- **Tuesday, 5/17, 6:30–8:30 pm**
  Daryl Beyers | Online | 224GAR222O

**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. | $79/$85 Certificate Elective

- **2 Wednesdays, 6/1 & 6/8, 6–8 pm**
  Kim Eierman | Online | 224GAR3400

**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. | $79/$85 Certificate Elective

- **2 Sundays, 6/5 & 6/12, 9:30–11:30 am**
  Shauna Moore | NYBG & Online | 224GAR361BL

**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. | $195/$215

- **Saturday, 6/25, 11 am–4:30 pm**
  John Capobianco | NYBG | 224GAR912

**GARDENING WITH FERNS**

Through both lecture and walks on Garden grounds, Mobee Weinstein, author of *The Complete Book of Ferns*, will introduce you to the wide variety of fern colors and shapes, their particular moisture and soil requirements, and how best to combine them with other plants. | $145/$169 Certificate Elective

- **3 Saturdays, 7/16–7/30, 9–11 am**
  Mobee Weinstein | NYBG | 231GAR348

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**Major Support:** GUERLAIN

**LuEsther T. Mertz Charitable Trust**

Janet Treger Salz Charitable Trust

Providing leadership support for year-round programming at NYBG

INSTRUCTOR BIOS CAN BE FOUND ONLINE AT NYBG.ORG/ADULTED
Get Ready for Spring Vegetable Gardening

Grow your own veggies and herbs with help 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. | $55/$59

SUPER SMALL SPACE VEGGIE GARDENING

Whether you have a terrace, rooftop, or tiny backyard, you too can be a successful veggie gardener! Learn how to prepare soil, select containers, design beds, choose crops, and maximize your yield. Get your spring garden off to a flying start with the basics of companion planting, intercropping, and vertical growing. | $169/$185 Certificate Elective

RAISED BED GARDENING

Raised beds make gardening easier and allow you to successfully grow vegetables, herbs, and ornamentals in problem soils and small spaces. Learn the best ways to build raised beds, as well as how to maximize their beauty and productivity. | $55/$59

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 select the right seeds and plants for your site, and the basics of cultivation and care. | $115/$125 Certificate Elective

MASTERING THE ART OF TOMATO GARDENING

Learn how to plant and care for a healthy, organic tomato garden. In the spring, we'll focus on selecting the right plants for your space, as well as starting plants from seed, transplanting, and grafting. In the fall, learn to create trellises, manage pests and diseases, devise a fertilizing regimen, and select and store your most successful plants' seeds. Sign up for one or both! | $69/$75

GET YOUR GARDEN READY FOR SPRING

Whether you have a terrace, rooftop, or tiny backyard, you too can be a successful veggie gardener! Learn how to prepare soil, select containers, design beds, choose crops, and maximize your yield. Get your spring garden off to a flying start with the basics of companion planting, intercropping, and vertical growing. | $169/$185 Certificate Elective

2 Mondays, 5/16 & 5/23, 6–7:30 pm
Annie Novak | Online | 224GAR333O

ROOFTOP GARDENING

From vegetable selection to pest control to composting, learn the basics of rooftop, terrace, and balcony growing, covering both container and green roof garden systems. | $115/$125 Certificate Elective

3 Wednesdays, 6/8–6/22, 6–8 pm
Annie Novak | Online | 224GAR328O

CERTIFICATE CLASSES

Open to Non-Certificate students

FUNDAMENTALS OF GARDENING

This course is also required for the Horticultural Therapy 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. | $295/$325 Certificate Requirement

6 Thursdays, 3/24–4/28, 6–8 pm
Jennifer Cappello-Ruggiero | Online | 223GAR301FO

6 Wednesdays, 4/20–5/25, 6–8 pm
Daryl Beyers | Online | 224GAR301A0

4 Thursdays, 5/5–6/2 (no class 5/19), 10 am–1 pm
Michael Ruggiero | New Canaan | 224GAR301B

6 Mondays, 5/16–6/27 (no class 5/30), 6–8 pm
Jennifer Cappello-Ruggiero | Online | 224GAR301CO

6 Saturdays, 6/18–7/30 (no class 7/2), 10 am–12 pm
Daryl Beyers | Online | 224GAR301DO

6 Thursdays, 8/18–9/22, 10:30 am–12:30 pm
Renee Marsh | Online | 224GAR301EO

6 Tuesdays, 10/4–11/8, 6–8 pm
Daryl Beyers | Online | 232GAR301AO

6 Thursdays, 3/24–4/28, 6–9 pm
Michael Troy Brown | Manhattan | 231GAR289

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. | $75/$85 Certificate Elective

2 Saturdays, 9/17 & 9/24, 10:30 am–12:30 pm
Kim Eierman | Online | 231GAR369O

Get Ready for Spring Vegetable Gardening

Grow your own veggies and herbs with help 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. | $55/$59

Sunday, 3/20, 10 am–12 pm
Annie Novak | Online | 223GAR134O

SUPER SMALL SPACE VEGGIE GARDENING

Whether you have a terrace, rooftop, or tiny backyard, you too can be a successful veggie gardener! Learn how to prepare soil, select containers, design beds, choose crops, and maximize your yield. Get your spring garden off to a flying start with the basics of companion planting, intercropping, and vertical growing. | $169/$185 Certificate Elective

3 Wednesdays, 4/20–5/4, 6–8 pm
Annie Novak | Online | 224GAR328O

RAISED BED GARDENING

Raised beds make gardening easier and allow you to successfully grow vegetables, herbs, and ornamentals in problem soils and small spaces. Learn the best ways to build raised beds, as well as how to maximize their beauty and productivity. | $55/$59

Monday, 4/25, 6–8 pm
Nick Storrs | Online | 224GAR280O
GARDENING

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). $285/$315 Certificate Requirement

6 Saturdays, 4/23–6/4 (no class 5/28), 10:30 am–12:30 pm
Dave Buipit | Online | 224GAR302O

BOTANICAL LATIN
Review the rules of taxonomy, Latin grammar, and pronunciation, and learn the history of the binomial system in use today. $295/$325 Certificate Elective

6 Tuesdays, 5/3–6/7, 10:30 am–12:30 pm
Jennifer Bakshi | Online | 224GAR360O

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 they 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 HRT381 with the same name. $285/$319 Certificate Requirement

5 Saturdays, 9/17–10/22 (no class 10/8), 10:00 am–12:30 pm
Mark Kokinshak | Online | 231GAR320O

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. $285/$319 Certificate Requirement

6 Tuesdays, 9/13–10/18, 6:15–8:15 pm
Mark Kokinshak | NYBG | 231GAR324

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 $445/$489 Certificate Requirement

5 Fridays, 6/10–7/1, 8:00 am–12:30 pm
Jennifer Cappello-Ruggiero | NYBG & Online | 223GAR440A

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 $265/$289 Certificate Requirement

6 Wednesdays, 5/4–6/8, 6–8 pm
Stephen Nocera | Online | 224GAR431A0

6 Wednesdays, 8/10–9/14, 6–8 pm
Stephen Nocera | Online | 231GAR431B0

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 HRT301 with the same name. $285/$319 Certificate Requirement

5 Saturdays, 9/17–10/22 (no class 10/8), 10:00 am–12:30 pm
Mark Kokinshak | Online | 231GAR320O

Garden Varieties: Summer All-Stars
Dig deeper into the history and cultivation of a favorite genus.

DAUNTLESS DAHLIAS
Low-maintenance dahlias thrive in our coastal climate. When they bloom in mid-July, their spiky, colorful blossoms brighten up gardens and flower beds across the city. Learn best practices to help your dahlias flourish, including how and when to disbud, stake, water, and much more. $55/$59

Saturday, 3/19, 11 am–1 pm
Frances Palmer | NYBG | 223GAR2430

LUSH PEONIES
Choosing the right spot to plant your peonies is key to growing large, sumptuous blooms with little to no maintenance. Get tips for planting, cultivating, and propagating this springtime showstopper. $55/$59

Saturday, 5/7, 10 am–1 pm
Daniel Furman | NYBG | 224GAR242

FOOLPROOF HYDRANGEAS
From 18-inch, container-sized, reblooming beauties to 6-foot seasonal explosions of multicolored zing, there is a hydrangea for every garden. Examine hardy cultivars and their proper care and pruning requirements. $55/$59

Saturday, 8/20, 11 am–1 pm
Lorraine Ballato | NYBG | 231GAR255

Illustration: Hydrangea Border, Colored Pencil and Watercolor Pencil, © Wendy Holender

22 | GARDENING
Saturday Gardening Workshops

Vegetable Gardening
Saturday, April 9 | 10 am–5 pm | NYBG
3 Saturdays, April 30–May 21
10 am–12 pm | Online

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.

April 9 | 10 am–12 pm
Nick Storrs | NYBG | 224GAR201B

April 30 | 10 am–12 pm
Nick Storrs | Online | 231GAR201FO

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.

April 9 | 12:45–2:45 pm
Nick Gershberg | NYBG | 224GAR201C

May 21 | 10 am–12 pm
Nick Gershberg | Online | 231GAR201H0

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.

April 9 | 3–5 pm
Christopher Satch | NYBG | 224GAR201D

May 14 | 10 am–12 pm
Renee Marsh | Online | 231GAR201GO

Registration fee for each section: $55/$59
All Three Sections: $125/$139 | 224GAR200A

All About Containers Saturday
Saturday, May 21 | 10 am–5 pm
Manhattan

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 | Manhattan | 224GAR200B
12:45–2:45 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.

Veronica Tyson-Strait | Manhattan | 224GAR200C
3–5 pm

VEGGIES AND HERBS FOR CONTAINERS
Discover which varieties of veggies and herbs do best in containers and how best to care for them. Special attention is paid to those varieties that not only taste great but also look beautiful, including those with interesting or unusual blooms and foliage.

Annie Novak | Manhattan | 224GAR200D

Registration fee for each section: $55/$59
All Three Sections: $125/$139 | 224GAR200A

Native Plant Saturdays Online
Saturdays, June 4, 11, & 18
9:30–11:30 am | Online

NATIVE PLANT SELECTION
Discover what makes a plant native, how to find and select the best species for your garden, and how to support and encourage pollinators in your own landscape.

June 4 | 9:30–11:30 am
Kim Eierman | Online | 224GAR202BO

DESIGNING WITH NATIVE PLANTS
Explore how to successfully incorporate native plants into your plans for sustainable garden designs filled with the beauty and diversity you desire.

June 11 | 9:30–11:30 am
Renee Marsh | Online | 224GAR202CO

PROPAGATING NATIVE PLANTS
Learn how to collect and sow the seeds of native plants from your local landscape or from commercial sources, and how to propagate plants from your own collection through techniques such as division, cuttings, and layering.

June 18 | 9:30–11:30 am
Nick Gershberg | Online | 224GAR202DO

Registration fee for each section: $55/$59
All Three Sections: $125/$139 | 224GAR202AO

REGISTER ONLINE AT NYBG.ORG/ADULTED
OR CALL 718.817.8720
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 jobs 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Hours</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Plant Production</strong> TRACK 1</td>
<td></td>
<td></td>
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<tr>
<td>Introduction to Plant Science</td>
<td>HRT 300</td>
<td>16</td>
<td>25</td>
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<tr>
<td>Soil Science I: Physical Properties</td>
<td>HRT 301</td>
<td>18</td>
<td>25</td>
</tr>
<tr>
<td>Soil Science II: Chemistry and Nutrition</td>
<td>HRT 302</td>
<td>18</td>
<td>25</td>
</tr>
<tr>
<td>Horticultural Techniques: Greenhouse Practices**</td>
<td>HRT 312</td>
<td>15</td>
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<tr>
<td>Insect Pests of Landscape Plants</td>
<td>HRT 381</td>
<td>18</td>
<td>27</td>
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<tr>
<td>Plant Propagation I: Basic Principles</td>
<td>HRT 411</td>
<td>18</td>
<td>26</td>
</tr>
<tr>
<td>Plant Propagation II: Applications **</td>
<td>HRT 412</td>
<td>13</td>
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<tr>
<td>Disease Identification &amp; Management</td>
<td>HRT 481</td>
<td>18</td>
<td>26</td>
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<tr>
<td>Nursery and Greenhouse Management **</td>
<td>HRT 491</td>
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<tbody>
<tr>
<td><strong>Sustainable Landscape Management</strong> TRACK 2</td>
<td></td>
<td></td>
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<tr>
<td>Introduction to Plant Science</td>
<td>HRT 300</td>
<td>16</td>
<td>25</td>
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<td>Soil Science I: Physical Properties</td>
<td>HRT 301</td>
<td>18</td>
<td>25</td>
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<td>HRT 302</td>
<td>18</td>
<td>25</td>
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<tr>
<td>Horticultural Techniques: Landscape Gardening</td>
<td>HRT 311</td>
<td>18</td>
<td>26</td>
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<td>Pruning Principles and Practices**</td>
<td>HRT 321</td>
<td>15</td>
<td>—</td>
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<tr>
<td>Basic Design and Installation of Irrigation Systems**</td>
<td>HRT 323</td>
<td>12</td>
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<td>Business Practices for the Landscape Professional</td>
<td>LAN 457</td>
<td>12</td>
<td>27</td>
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<td>Insect Pests of Landscape Plants</td>
<td>HRT 381</td>
<td>18</td>
<td>27</td>
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<td>HRT 443</td>
<td>24</td>
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<td>Disease Identification &amp; Management</td>
<td>HRT 481</td>
<td>18</td>
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<td>HRT 482</td>
<td>12</td>
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<td>HRT 356</td>
<td>6</td>
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<td><strong>TOTAL REQUIRED HOURS</strong></td>
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<td>201</td>
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**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. | $395/$435

- **8 Tuesdays, 4/19–6/7, 10:30 am–12:30 pm**
  - Martha Bucuvalas | Online | 224HRT300AO
- **8 Saturdays, 4/30–6/25 (no class 5/28), 10:30 am–12:30 pm**
  - Leslie Day, Ph.D. | Online | 224HRT300BO

**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. | $455/$495

- **7 Wednesdays, 3/23–5/4 ✦, 10:30 am–1:30 pm**
  - George Lozefski | NYBG | 223HRT301E
- **9 Tuesdays, 5/3–6/28, 6–8 pm**
  - Katharhy Grossman | Online | 224HRT301AO
- **9 Wednesdays, 6/1–7/27, 6–8 pm**
  - David Bulpitt | Online | 224HRT301BO
- **9 Saturdays, 8/13–10/12 (no class 9/3 & 10/8), 10 am–12 pm**
  - David Bulpitt | Online | 231HRT301CO
- **7 Wednesdays, 9/21–11/9 (no class 10/5) ✦, 10:30 am–1:30 pm**
  - George Lozefski | NYBG | 231HRT301D

**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 | $395/$445

- **7 Wednesdays, 5/18–6/29 ✦, 10 am–1 pm**
  - George Lozefski | NYBG | 224HRT302A

QUESTIONS? CONTACT PROGRAM COORDINATOR

CHARLES YURGALEVITCH, PH.D.

AT HRTCOORDINATOR@NYBG.ORG

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 718.817.8720
CUT FLOWER FARMING
Design, plant, and harvest a cutting garden that’s productive throughout the season. 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. $169/$185

3 Mondays, 3/14–3/28, 6–8 pm
Anne Marie Breyer | Online | 224HRT142AO

3 Wednesdays, 6/22–7/20, 6–8 pm
Anne Marie Breyer | Online | 231HRT156CO

5 Saturdays, 9/24–10/19, 10 am–1 pm
Anne Marie Breyer | Online | 224HRT142BO

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. $195/$215

6 Wednesdays, 3/23–4/27, 6–8 pm
Matthew DeBacco & Kelly Crosson | Online | 223HRT156CO

6 Saturdays, 4/24–5/28, 10 am–12 pm
Michael Ruggiero | NYBG | 224HRT358BBL

NEW! SEA TO SOIL: USING KELP AS A SOIL AMENDMENT
Native to the East Coast, sugar kelp may become an important tool to sustainably maintain plant health, given it is rich in important micronutrients and powerful bio-stimulating compounds. Take a deep dive into the many kelp-based fertilizers can dramatically strengthen root zones and improve soil health while also removing carbon from the atmosphere and combating climate change. $35/$39

Tuesday, 5/24, 6–7:30 pm
Don Gabel & Sean Barrett | Online | 224HRT2630

MATHEMATICS FOR HORTICULTURISTS TRACK 2
This course is designed for horticulturists who are responsible for maintaining outdoor landscapes. We will cover how to calculate area to help estimate plant and soil needs, apply rates for fertilizers, and calculate amounts of soil amendments. $149/$165

3 Mondays, 3/14–3/28, 5–7 pm
Mobee Weinstein | Online | 224HRT356O

3 Wednesdays, 3/17–5/12, 4:30–7:30 pm
David Laswell | NYBG | 224HRT443

LANDSCAPE MANAGEMENT TRACK 2
Examine sustainable techniques for managing and maintaining commercial and residential landscapes. Develop programs that reduce adverse effects on the environment, including alternative approaches to conventional lawn management. Prerequisite: Intro to Plant Science and Soil Science II | $579/$635

7 Mondays, 3/17–5/12, 10:30 am–1:30 pm
Michael Ruggiero | NYBG | 224HRT411A

6 Mondays, 6/6–7/25 (no class 6/20 or 7/4), 5:30–8:30 pm
Mobee Weinstein | NYBG | 231HRT411B

7 Thursdays, 9/15–10/27, 10 am–1 pm
Michael Ruggiero | NYBG | 231HRT411C

PLANT PROPAGATION TRACK 1
Learn principles and techniques of plant propagation by seed and cuttings. Explore basic sexual and asexual propagation, focusing on root development, seedling production, root initiation, stem and leaf cuttings, and layering. Prerequisite: Intro to Plant Science | $479/$525

7 Mondays, 4/4–5/23 (no class 4/18), 10:30 am–1:30 pm
Michael Ruggiero | NYBG | 224HRT411A

6 Mondays, 6/6–7/25 (no class 6/20 or 7/4), 5:30–8:30 pm
Mobee Weinstein | NYBG | 231HRT411B

7 Thursdays, 9/15–10/27, 10 am–1 pm
Michael Ruggiero | NYBG | 231HRT411C

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 | $295/$325

6 Fridays, 4/8–5/20 (no class 4/29), 10:30 am–12:30 pm
Vincent Simeone | NYBG & Online | 224HRT334ABL

6 Saturdays, 4/9–5/21 (no class 4/16), 9–11 am
Owen McLaughlin | NYBG & Online | 224HRT334BBL

3 Tuesdays, 4/26–5/10, 6–8 pm and 3 Sundays, 5/1–5/22 (no class 5/8), 10 am–12 pm
Duncan Himmelman, Ph.D. | NYBG & Online | 224HRT334CBL

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 | $475/$495

4 Wednesdays, 4/20–5/11, 6:15–8:30 pm, and 3 Saturdays, 4/23–5/7, 10 am–1 pm
Mark Kokinchak | NYBG & Online | 224HRT481ABL

4 Wednesdays, 6/8–6/29, 6:15–8:30 pm, and 3 Saturdays, 6/11–6/25, 10 am–1 pm
Mark Kokinchak | NYBG & Online | 224HRT481BBL

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 | $455/$495

6 Tuesdays, 4/12–5/17 (rain date 5/24), 4:30–7:30 pm
Mobee Weinstein | NYBG | 224HRT311

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. $395/$435

6 Wednesdays, 4/13–5/18, 10 am
Jennifer Cappello-Ruggiero | NYBG & Online | 224HRT358ABL

6 Saturdays, 9/17–10/29 (no class 10/8), 10 am–12:40 pm
Valerie D’Antonio | NYBG | 231HRT358D

TRACKS 1, 2, & 3

Exam on last class date.

Instructor bios can be found online at NYBG.ORG/ADULTED
URBAN TREE CARE TRACK 3
Soil compaction, construction damage, and land development practices can lead to tree decline and early tree mortality. Examine the biology of trees, and learn how they respond to changes in the urban environment. Explore techniques for assessing and preserving tree health and vigor, as well as new diagnostic tools and methods for tree and site analysis in developed urban sites. Prerequisite: Intro to Plant Science $295/$325
5 Saturdays, 4/23–5/21, 11 am–2 pm
Julian Picciano | NYBG | 223HRT426

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 | $219/$239
4 Sundays, 4/24–5/22 (no class 5/5), 10 am–12:15 pm
Shauna Moore | NYBG & Online | 224HRT336ABL
4 Tuesdays, 5/3–5/24, 10 am–12:15 pm
Michael Ruggiero | NYBG & Online | 224HRT336BBL
2 Thursdays, 5/12 & 5/19, 6–8 pm
2 Saturdays, 5/14 & 5/21, 10 am–12 pm
Duncan Himmelman, Ph.D. | NYBG & Online 224HRT336CBL

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 | $195/$215
4 Mondays, 4/25–5/16, 6–8 pm
Steve Conaway | Online | 224HRT395AO
4 Mondays, 9/12–10/17 (no class 9/26 & 10/10), 6–8 pm
Steve Conaway | Online | 231HRT395BO

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 | $435/$479
4 Thursdays, 5/19–6/9, 6:15–8:30 pm and 3 Sundays, 5/22–6/12 (no class 5/29), 10 am–1 pm
Mark Kokinchak | NYBG & Online | 224HRT381ABL
4 Tuesdays, 7/5–7/26, 6:15–8:30 pm and 3 Saturdays, 7/9–7/23, 10 am–1 pm
Mark Kokinchak | NYBG & Online | 231HRT381BBL

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. | $169/$185
2 Tuesdays, 5/17 & 5/24, 6–7:30 pm and Saturday, 5/21, 9:30 am–12:30 pm
Jessica Hoch | NYBG & Online | 224HRT353ABL
2 Wednesdays, 9/14 & 9/21, 6–7:30 pm and Saturday 9/17, 10 am–1 pm
Jessica Hoch | NYBG & Online | 231HRT353BBL

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 | $195/$215
4 Fridays, 6/24–7/15, 9–11 am
Vincent Simeone | NYBG & Online | 224HRT341ABL
4 Saturdays, 7/9–7/30, 9–11 am
Michael Ruggiero | NYBG & Online | 231HRT341BBL

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 $295/$325
6 Tuesdays, 9/13–10/25 (no class 9/27), 4–6 pm
Michael Hagen | NYBG | 231HRT338A
3 Saturdays, 9/10–10/15 (no class 9/17, 9/24, 10/8), 9:30 am–12:30 pm, and 3 Wednesdays, 9/14–10/5 (no class 9/21), 6–7:30 pm,
Michael Ruggiero | NYBG & Online | 231HRT338BBL
5 Thursdays, 9/29–10/27, 11 am–2 pm
Avvah Rossi | NYBG | 231HRT338C

TREE CLIMBING FOR ARBORISTS TRACK 3
This course is designed for people interested in arboriculture. Learn techniques such as rope setting, knot tying, body thrusting, doublecrotchning, foot locking, and limb walking. The goal of the course is for each student to improve his or her climbing skills. 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. | $425/$469
3 Saturdays, 9/17–10/1 (Rain date 10/15), 9 am–2:30 pm
Julian Picciano and Francisco D’Avila | NYBG | 231HRT304

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 $295/$325
5 Sundays, 9/25–10/30 (no class 10/9), 10 am–1 pm
Owen McLaughlin | NYBG & Online | 231HRT331BBL
7 Saturdays, 9/24–10/12 (no class 10/8), 10 am–12 pm
Timothy Nolan | NYBG & Online | 231HRT331ABL
5 Saturdays, 10/12–11/9, 10 am–1 pm
Michael Ruggiero | NYBG | 232HRT331A

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. | $295/$305
6 Fridays, 9/23–10/28, 10:15 am–12:15 pm
Jessica Zavaglia | Online | 231LAN4570
Horticultural Therapy

If you have a passion for plants and helping people, then pursue horticultural therapy and learn how to bring people and the natural environment together for healing purposes. Acquire the therapeutic skills and horticultural techniques needed to serve a broad population of people in need. Enroll in a single class or pursue a Horticultural Therapy Certificate.

THE CERTIFICATE PROGRAM

Respected nationwide, the NYBG Horticultural Therapy Certificate Program helps students begin or complement their careers through an in-depth exploration of skills and innovative methods that use plants and the growing environment to heal and rehabilitate people. Practicing horticultural therapists train students to design, implement, and operate programs for individuals and groups across a variety of health care settings and human services programs.

Upon completion of the program, students will:

• Understand the characteristics and etiologies of the various populations served by horticultural therapy.
• Demonstrate skills in goal setting, activity planning, risk management, evaluation methods, plant selection, and accessible design.
• Prepare proposals to deliver horticultural therapy programs in various venues, including public settings, not-for-profit organizations, private companies, and independent contracting services.
CERTIFICATE REQUIREMENTS

Certificate students must complete 189 course hours, 8 site visit hours, and a 100-hour internship. After completing a minimum of six Horticultural Therapy courses, students should contact the Program Coordinator to arrange their internship.

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<th>Course</th>
<th>Code</th>
<th>Hours</th>
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<td>Introduction to Horticultural Therapy</td>
<td>THR 301</td>
<td>15</td>
<td>29</td>
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<td>Horticultural Therapy for Youth with Disabilities</td>
<td>THR 402</td>
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<td>Horticultural Therapy for Physical Rehabilitation</td>
<td>THR 403</td>
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<td>Horticultural Therapy for Older Adults</td>
<td>THR 401</td>
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<td>Fundamentals of Gardening</td>
<td>GAR 301</td>
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<td>Horticultural Therapy in Behavioral Health Settings</td>
<td>THR 404</td>
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<td>Horticultural Therapy Methods and Materials</td>
<td>THR 406</td>
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<td>Activities Analysis for Horticultural Therapy</td>
<td>THR 407</td>
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<td>Introduction to Plant Science</td>
<td>HRT 300</td>
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<td>Plant Propagation I: Basic Principles</td>
<td>HRT 411</td>
<td>18</td>
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<td>Garden Design for Special Populations</td>
<td>THR 408</td>
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<td>Horticultural Therapy Program Management</td>
<td>THR 409</td>
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<td>Horticultural Therapy Site Visits (see note below)</td>
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TOTAL REQUIRED HOURS: 189

Site Visits

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<td>Good Samaritan Regional Medical Center</td>
<td>THR 546</td>
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<tr>
<td>NYU Langone Medical Center, Therapeutic Horticulture Services</td>
<td>THR 525</td>
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During the pandemic, we will offer limited trips to observe working programs at hospitals and other institutions. Site visits remain a Certificate requirement, and we plan to resume scheduling more of them as soon as it is safe to do so.

Courses with a prerequisite before you can register

Phyllis D’Amico, HTM, Program Coordinator
Anne Meore, HTR, Program Advisor

QUESTIONS? CONTACT PROGRAM COORDINATOR
PHYL LIS D’AMICO, HTM, AT THRCOORDINATOR@NYBG.ORG

INTRODUCTION TO HORTICULTURAL THERAPY

Explore the plant-people relationships and scientific research that are the foundations of horticultural therapy. Review current hort therapy programs, and the cognitive, physical, psychological, and social benefits of plants and plant-related activities for various populations. Build disability awareness and therapeutic skills. | $395/$445

3 Tuesdays, 6/7–6/21, 4–6:30 pm & 2 Saturdays, 6/18 & 6/25, 9 am †
Anne Meore, HTR | NYBG & Online | 224THR301ABL

3 Wednesdays, 3/9–3/23, 6–8:30 pm & 3 Saturdays 3/12–3/26, 10 am-12:30 pm
Phyllis D’Amico, HTM | Online | 223THR402ABL

HORTICULTURAL THERAPY FOR YOUTH WITH DISABILITIES

Gain insights into the causes and characteristics of developmental, sensory, physical, behavioral, and learning disabilities in children and adolescents. Learn to implement horticultural therapies that meet a range of goals in programs for preschool through high school. Explore brain-based research, and activities that can improve perceptual development and the learning process. | Prerequisite: Introduction to Horticultural Therapy | $419/$459

3 Tuesdays, 8/2–8/16, 4–6:30 pm & 2 Fridays, 8/12 & 8/19, 9 am †
Anne Meore, HTR | NYBG & Online | 231THR301BBL

3 Wednesdays, 7/6–7/20, 6–8:30 pm & 2 Sundays, 7/10 & 7/24, 10 am †
Phyllis D’Amico, HTM | NYBG & Online | 231THR402BBL

GARDEN DESIGN FOR SPECIAL POPULATIONS

Learn the latest research in therapeutic garden design, common design principles, and the issues and accommodations needed to create, renovate, and evaluate effective gardens for groups with special needs. | Prerequisite: Therapy for Physical Rehabilitation | $419/$459

4 Tuesdays, 5/3–5/24, 6–8:30 pm & 1 Saturday, 6/4, 10 am–3:30 pm
Nancy Minich, HTR, RLA | NYBG & Online | 224THR408ABL

4 Tuesdays, 8/2–8/23, 6–8:30 pm & 1 Saturday, 8/27, 10 am–3:30 pm
Nancy Minich, HTR, RLA | NYBG & Online | 231THR408BBL
HORTICULTURAL THERAPY PROGRAM MANAGEMENT

Learn how to design and implement a horticultural therapy program in the private or public sector. Gain skills in developing program proposals, writing protocols, establishing evaluation methods and record-keeping policies, and managing staff and volunteers. Topics in business practices will include budget development and management, legal aspects of business establishment, and fundraising. Prerequisites: Youth with Disabilities, Older Adults, Physical Rehab, Activities Analysis and Behavioral Health Settings $419/$459

4 Tuesdays, 5/3–5/24, 6:30–9 pm & 2 Saturdays, 5/7 & 5/21, 10 am–12:30 pm
Pat Czarnecki, HTR | Online | 224THR409O

3 Tuesdays, 7/5–7/19, 6:30–9 pm & 3 Saturdays, 7/9–7/23, 10 am–12:30 pm
Pat Czarnecki, HTR | Online | 231THR409AO

3 Tuesdays, 9/27 – 10/18 (no class 10/4), 6:30–9 pm & 3 Saturdays, 10/1–10/22 (no class 10/8), 10 am–12:30 pm
Pat Czarnecki, HTR | Online | 231THR409BO

HORTICULTURAL THERAPY FOR OLDER ADULTS

Older adults present an increasing need for therapeutic services. Learn the physical, sensory, cognitive, psychological, and social aspects of aging, and how horticulture can be an important component of geriatric care. Prerequisite: Introduction to Horticultural Therapy $419/$459

3 Wednesdays, 5/4–5/18, 6–8:30 pm & 3 Saturdays, 5/7–5/21, 10 am–12:30 pm
Kathy Brechner, HTR | Online | 224THR401O

3 Wednesdays, 8/3–8/17, 6–8:30 pm & 3 Saturdays, 8/6–8/20, 10 am–12:30 pm
Kathy Brechner, HTR | Online | 231THR401BO

HORTICULTURAL THERAPY IN BEHAVIORAL HEALTH SETTINGS

Horticultural therapy is practiced in a multitude of behavioral health settings, including hospitals, day treatment programs, group homes, and in private practice. Learn the diagnostic criteria for major psychiatric conditions, including anxiety, mood, psychotic, cognitive, and substance abuse disorders. Review actual case studies and create treatment plans utilizing horticulture activities for specific needs. Prerequisite: Introduction to Horticultural Therapy $419/$459

3 Wednesdays, 5/4–5/18, 6:30–9 pm & 2 Sundays, 5/15 & 5/22, 10 am †
Hilda Krus, HTR | NYBG & Online | 224THR404ABL

3 Wednesdays, 7/6–7/20, 6:30–9 pm & 2 Sundays, 7/17 & 7/24, 10 am †
Hilda Krus, HTR | NYBG & Online | 231THR404BBL

HORTICULTURAL THERAPY FOR PHYSICAL REHABILITATION

Explore the team treatment process and the various conditions treated in a clinical setting. Learn about etiology, diagnosis, and psychosocial effects, and the horticultural therapist’s role in assessing, documenting, and developing treatment goals and objectives. Review case studies and develop treatment plans. Prerequisite: Introduction to Horticultural Therapy $419/$459

2 Saturdays, 6/4 & 6/18, 10 am–3:30 pm & 2 Tuesdays, 6/7 & 6/14, 6:30–9 pm
Matthew Wichrowski, HTR | NYBG & Online | 224THR403ABL

2 Tuesdays, 9/13 & 9/20, 6:30–9 pm & 2 Saturdays, 9/17 & 9/24, 10 am–3 pm
Matthew Wichrowski, HTR | NYBG & Online | 231THR403BBL

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

Illustration: Death (Chrysanthemum), (Detail), Watercolor, ©Joanne Yun

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 718.817.8720

ACTIVITIES ANALYSIS FOR HORTICULTURAL THERAPY

Learn how to structure horticultural therapy activities so a client’s progress can be clearly measured and assessed. You will develop a needs assessment and activity plan, write specific goals with measurable objectives, and practice leadership skills needed to work with groups and individuals. Prerequisite: Horticultural Therapy for Physical Rehabilitation $419/$459

3 Tuesdays, 6/7–6/21, 6:30–9 pm & 3 Saturdays, 6/11–6/25, 10 am–12:30 pm
Abby Jaroslow, HTR | Online | 224THR407AO

3 Wednesdays, 9/7–9/21, 6:30–9 pm & 3 Sundays, 9/11–9/25, 10 am–12:30 pm
Abby Jaroslow, HTR | Online | 231THR407BO

HORTICULTURAL THERAPY METHODS AND MATERIALS

Evaluate tools, equipment, structures, and techniques used by participants in horticultural therapy activities. Design and construct adaptive tools and assistive devices through problem-solving activities. Expand your plant-selecting skills for specific therapeutic programming needs as you explore the collections and gardens at NYBG. Learn preventive approaches to safety in all horticultural therapy settings. Prerequisite: Therapy for Physical Rehabilitation $444/$484

2 Saturdays 6/11 & 6/18, 10 am–3:30 pm & 2 Wednesdays, 6/15 & 6/22, 6–8:30 pm
Phyllis D’Amico, HTM | NYBG & Online | 224THR406BBL

SITE VISITS

Tour some of the organizations practicing Horticultural Therapy in the New York area. Get a close-up look on their day-to-day practices.

NYU LANGONE MEDICAL CENTER, THERAPEUTIC HORTICULTURE SERVICES, MANHATTAN

The focus of this individualized intensive training is on physical medicine and rehabilitation—history, philosophy, and team functions. Participate in horticulture treatment sessions that deal with patient functioning, treatment goals, and precautions. Prerequisite: Introduction to Horticultural Therapy $135/$149

Tuesday, 4/26, 9 am–2:30 pm
Matthew Wichrowski, HTR, and staff | Off-site | 224THR525A

Tuesday, 7/6, 9 am–2:30 pm
Matthew Wichrowski, HTR, and staff | Off-site | 231THR525B

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 horticultural therapy 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 Horticultural Therapy $135/$149

Thursday, 6/9, 9 am–2:30 pm
Anne Meore, HTR | Off-site | 231THR546
Landscape Design

The need to develop, preserve, and protect our open spaces and environmental and cultural resources has never been greater. NYBG’s engaging, career-oriented program gives you a solid, plant-focused foundation. Take a single class for pleasure or pursue a professional Certificate in Landscape Design.

THE CERTIFICATE PROGRAM

Whether you’re changing careers or taking yours to the next level, the NYBG Landscape Design Certificate distinguishes your portfolio and showcases your development as a creative professional. And that puts you ahead—with colleagues, employers, and clients. 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 professional success using business skills in preparing proposals, pricing, purchasing, and more.
# CERTIFICATE REQUIREMENTS

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>TIER 1— Introductory Classes</strong></td>
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<td>LAN 301</td>
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<td>Graphics I</td>
<td>LAN 311</td>
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<td>Landscape Measurement</td>
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<td>Landscape Plants: Fall Trees and Shrubs</td>
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<td>Plants for Landscaping</td>
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<td>Schematic Design</td>
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<td>Graphics II</td>
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<td>Site Materials and Details**</td>
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<td><strong>TIER 3</strong></td>
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<td>Grading &amp; Drainage</td>
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<td>Graphics III**</td>
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<td>Landscape Design III: Planting Design</td>
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<td>Business Practices for Landscape Professional</td>
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<td>Landscape Design IV: Design and Construction**</td>
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<td>Portfolio and Presentation Skills</td>
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*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 PROGRAM COORDINATOR**
SUSAN COHEN AT Lancoordinator@nybg.org

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## SUMMER INTENSIVE PROGRAM | July 11–August 5

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
- Landscape Design II: Design Development
- Estimating**
- Graphics II
- Site Materials and Details**
- Grading & Drainage
- Portfolio and Presentation Skills
- Landscape Design III: Planting Design
- Business Practices for Landscape Professional
- Landscape Design IV: Design and Construction**

**TOTAL REQUIRED HOURS** 337

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.

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### 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.
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. | $185/$205

4 Saturdays, 3/5–4/2 (no class 3/19), 10 am–12 pm
Kimberly Tryba | Online | 223LAN100EO

3 Wednesdays, 4/6–4/20, 6–9 pm
Michael Troy Brown | Manhattan | 224LAN100A

4 Thursdays, 5/12–6/2, 6–8 pm
Daryl Beyers | Online | 224LAN100BO

4 Saturdays, 6/4–6/25, 10 am–12 pm
Kimberly Tryba | Online | 224LAN100CO

3 Wednesdays, 7/13–7/27, 6–9 pm
Michael Troy Brown | Manhattan | 231LAN100D

4 Tuesdays, 8/9–8/30, 6–8 pm
Daryl Beyers | Online | 231LAN100EO

4 Saturdays, 9/10–10/1, 10 am–12 pm
Kimberly Tryba | Online | 231LAN100FO

LANDSCAPE DESIGN TIPS: LEARNING FROM BEFORE AND AFTER

Using illustrative before and after photos of various projects she has executed throughout her long career, landscape designer Jan Johnsen shares 25 specific tips to enhance your garden. Techniques include “Lure of the Sheltered Corner,” “The Principle of Three Depths,” “Raising the Canopy,” and many more. Students will be given a handout listing all tips discussed in class. | $59/$65

Wednesday, 3/30, 10 am–12 pm
Jan Johnsen | NYBG | 223LAN169

INTRO TO PHOTOSHOP FOR LANDSCAPE DESIGNERS

Now more than ever, clients expect to see beautiful digital plans. Learn the basics of how to scan and enhance hand drawings. Gain familiarity with the tools to create digitally rendered plans, sections, perspectives, and collages. Basic computer skills are a must. Please note: participants must have access to Adobe Photoshop. | $295/$325

6 Tuesdays, 4/12–5/17, 6:30–8:30 pm
Jonathon Matz | Online | 224LAN444AO

6 Tuesdays, 6/7–7/12, 6:30–8:30 pm
Jonathon Matz | Online | 224LAN444BO

NEW! SERENITY BY DESIGN

Using gorgeous illustrations from her book Heaven by Design, Jan Johnsen will show you how gardeners of any skill level can design an outdoor haven to relax and enjoy the moment. You’ll learn to use shapes, colors, the cardinal directions, and the power of place to design a sanctuary that will increase your sense of well-being. | $75/$85

Saturday, 6/25, 10 am–1 pm
Jan Johnsen | NYBG | 224LAN249

NEW! 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. | $75/$85

Saturday, 9/24, 10 am–1 pm
Jan Johnsen | Online | 224LAN2340

GARDEN DESIGN HISTORY WALK

Many important designers have shaped NYBG grounds throughout the years, including Calvert Vaux, Beatrix Farrand, Piet Oudolf, and Lynden B. Miller. Stroll the grounds with award-winning author Marta McDowell, who will discuss how the Garden’s plantings, pathways, ornaments, and structures illustrate the interplay of formal and informal styles that draw from many traditions across time. | $75/$85

Friday, 10/14, 9:30–11:30 am
Marta McDowell | NYBG | 232LAN267

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. | $595/$655

Certificate Requirement

8 Wednesdays, 4/13–6/1, 10 am–1 pm
Paula Capps Sarathy | Online | 224LAN301AO

9 Mondays, 9/12–11/21 (no class 9/26 & 10/10), 6–9 pm
Mark Bunnell, RLA | Online | 231LAN301BO

8 Fridays, 9/23–11/18 (no class 11/11), 10:30 am–1:30 pm
Caitlin Merritt | Online | 231LAN301CO

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. | $595/$655

Certificate Requirement

8 Saturdays, 3/26–5/21 (no class on 4/16), 10 am–1 pm
Jamie Miller | Online | 223LAN311EO

8 Saturdays, 6/4–7/30 (no class 7/7), 10 am–1 pm
Jamie Miller | Online | 224LAN311AO

8 Tuesdays, 9/13–11/15 (no class 9/27 & 10/4), 6–9 pm
Elizabeth Poccia | Online | 231LAN311BO

8 Fridays, 9/16–11/4, 10 am–1 pm
Elizabeth Poccia | NYBG | 231LAN311C
ILLUMINATING GARDEN DESIGNERS

NEW! THE GARDEN: ELEMENTS AND STYLES

Join us for an inspirational tour through two millennia, focusing on the garden as a dynamic work of art and intrinsic component of its times. This richly illustrated talk provides insight on variety of garden elements and styles and will offer suggestions for how some overlooked design ideas may be made relevant for today’s garden-maker. Toby Musgrave is a garden historian and designer and author of 13 books, most recently The Garden: Elements and Styles published by Phaidon. | $25/$29

Tuesday, 4/26, 11 am–12 pm
Toby Musgrave, Ph.D. | Online | 224LAN8090

NEW! WILD BY NATURE

Planting design today is undergoing a revolution. With an increased focus on sustainability, private gardens and public spaces alike have embraced naturalistic planting, a movement that is rooted in environmental reality and prioritizes ethical concerns over geometric precision. Using breathtaking images from their new book, Wild: The Naturalistic Garden, renowned garden designer Noel Kingsbury and award-winning photographer Claire Takacs will explore a range of forward-thinking green aspects, its atmosphere, mood, ecology, and existence. Toby Musgrave, renowned garden designer and author of 13 books, most recently The Garden: Elements and Styles published by Phaidon. | $25/$29

Tuesday, 4/26, 11 am–12 pm
Toby Musgrave, Ph.D. | Online | 224LAN8090

NEW! DESIGNING FOR THE INTANGIBLE

Though we often see them as utilitarian extensions of our homes, gardens are much more than ornament or recreation. We think of ourselves as the users, the givers of meaning, the protagonists, but a garden too can be the protagonist. It can act on us, change us, and cause us to think about our experience and existence. Using gorgeous images from his newly released book, Federal Twist, featuring his New Jersey home garden, James Golden shares how to design for a garden’s intangible aspects, its atmosphere, mood, ecology, and character of place. | $25/$29

Wednesday, 6/29, 11 am–12 pm
James Golden | Online | 224LAN8100

CEUs are available.

GRAPHICS II: DYNASCPE

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. Prerequisite: Graphics I $595/$655 (There is an additional software fee of $125. Special cancellation policy applies.) Certificate Requirement

8 Thursdays, 3/24–5/12, 5–8 pm
Elizabeth Poccia | NYBG | 223LAN427E

8 Thursdays, 9/15–11/3, 5–8 pm
Elizabeth Poccia | NYBG | 231LAN427

PORTFOLIO AND PRESENTATION SKILLS

Create visually compelling print and digital portfolios to present to potential clients. Learn how to develop professional documentation for a variety of audiences through in-class design charrettes and individualized projects. Prerequisite: Landscape Design III | $379/$415 Certificate Requirement

7 Wednesdays, 3/9–4/20, 6:30–8:40 pm
Adam Molinski | Online | 223LAN5550

GRADING & DRAINAGE

Through discussion, fieldwork, and homework, students will identify landforms and watersheds, calculate slopes, and manipulate contours to create garden rooms and control water flow. Learn how to communicate design ideas to contractors and evaluate the opportunities and constraints of a project site. Prerequisites: Landscape Measurement, Landscape Design I, and Graphics II | $725/$795 Certificate Requirement

10 Wednesdays, 3/23–5/25, 10 am–1 pm
Alice Eckerson | NYBG | 223LAN428

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. $295/$329 Certificate Requirement

4 Saturdays, 4/9–4/30, (rain date 5/7), 10 am–1 pm
Sarah Hettinger | NYBG | 224LAN340

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. Prerequisites: Landscape Design History and Graphics I | $575/$635 Certificate Requirement

David Holzman | Online | 224LAN4010

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. Prerequisites: Landscape Design I and Graphics II | $575/$635 Certificate Requirement

David McConnell | NYBG | 231LAN402

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. Prerequisites: Landscape Design II, Graphics II, and Plants for Landscaping. Recommended: Fall Trees and Shrubs and Spring Trees and Shrubs | $575/$635 Certificate Requirement

8 Thursdays, 9/22–11/10, 6:15–9:15 pm
Stacie Ellickson-Hastie | Online | 231LAN4030

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. $295/$305

6 Fridays, 9/23–10/28, 10:15 am–12:15 pm
Jessica Zavaglia | Online | 231LAN4570

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 718.817.8720
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. Guidelines are available online.

CERTIFICATE REQUIREMENTS

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<th>Course</th>
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<th>Hours</th>
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<td>Native Flora in Winter**</td>
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<td>Native Flora in Spring</td>
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<td>Natural History of Insects</td>
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<td>Introduction to Urban Ecology**</td>
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<td>The Ecosystems of New York City</td>
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<td>Urban Ecology Field Study Workshop</td>
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ELECTIVES

The following Naturalist courses—along with all Botany electives listed on page 8 count toward the 30 required elective hours.

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<td>Ancient and Venerable Trees</td>
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<td>Night Callers: Bronx Bats</td>
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<td>Coastal Ecology</td>
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<td>Photographing Pollinators</td>
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<td>Pollination Ecology</td>
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<td>Dragonflies and Damselflies of the Northeast</td>
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<td>Moth Ecology and Conservation</td>
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**Courses offered in the Fall–Winter Catalog
Courses with a prerequisite before you can register

QUESTIONS? CONTACT PROGRAM COORDINATOR
NANCY SLOWIK 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. $145/$159 Certificate Requirement
3 Mondays, 3/28–4/25 (no class 4/16 & 4/18), 5:30–7:30 pm
Clara Holmes | Online | 224BOT308FO
3 Saturdays, 5/7–5/21, 10 am–12 pm
Clara Holmes | Online | 224BOT308AO
3 Tuesdays, 6/14–6/28, 5:30–7:30 pm
Jennifer Cappello-Ruggiero | Online | 224BOT308BO
3 Fridays, 7/15–7/29, 10 am–12 pm
Clara Holmes | Online | 231BOT308CO
3 Tuesdays, 8/2–8/16, 5:30–7:30 pm
Clara Holmes | Online | 231BOT308DO
3 Tuesdays, 9/13–9/27, 5:30–7:30 pm
Clara Holmes | Online | 231BOT308EO

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 or Plant Structure $295/$325 Certificate Requirement
5 Saturdays, 4/9–5/21 (no class 4/16 & 5/14; rain date 6/4), 10 am †
Nancy Slowik | NYBG & Online | 224BOT333ABL
5 Thursdays, 4/14–5/12 (rain date 5/19), 10 am †
Nancy Slowik | NYBG & Online | 224BOT333BBL

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. $295/$325 Certificate Requirement
5 Wednesdays, 5/4–6/1, 10 am †
Ken Chaya | NYBG & Online | 224NAT317BL

NEW! SNAKES OF THE NORTHEAST
From urban rubble lots to remote backcountry summits—snakes live all around us. Seldom seen, their secretive habits have made field-based behavioral studies difficult, creating opportunities for novel discoveries by the patient naturalist! We’ll use case studies to learn about the haunts, habits, and even sex lives of our local snakes; the conservation challenges they face; and exciting areas of inquiry yet to be tackled. $225/$245 Certificate Elective
2 Mondays, 4/11 & 4/25, 6–8 pm
Edwin McGowen, Ph.D. | Online | 224NAT367O

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. $295/$325 Certificate Requirement
3 Thursdays, 6/2–6/16, 6–8 pm & 2 Saturdays, 6/4 & 6/11, 9 am–12 pm
Clara Holmes | NYBG & Online | 224BOT334BL

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 $225/$245 Certificate Requirement
3 Sundays, 6/5–6/26 (no class 6/19), 10 am †
Ellen Pehek | Online & Off-Site | 224NAT337BL

NEW! ANCIENT AND VENERABLE TREES
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. $75/$85 Certificate Elective
Wednesday, 6/15, 6–8 pm
Michael Gaige | Online | 224NAT353O

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. $75/$85 Certificate Elective
5 Thursdays, 6/16–7/14, 10 am †
Ken Chaya | NYBG & Online | 224NAT322BL

NEW! COASTAL ECOLOGY
Focus on the unique ecologies of the freshwater wetlands, salt marshes, and rocky shores of the tri-state area, including the rare, threatened, and endangered species that live there. You’ll also study how soils, plants, and animals are adapting to urban stressors and climate change, and how city officials are working to balance restoration and recreation while being mindful of rising sea levels. This class includes a trip to Pelham Bay Park. Prerequisite: one Native Flora class $295/$325 Certificate Elective
2 Wednesdays, 9/7 & 9/14, 6–8 pm and 1 Saturday, 9/17, 8 am–12 pm
Rebecca Swadek | Online & Off-Site | 231NAT334BL
**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 | $225/$245 Certificate Requirement

3 Wednesdays, 7/6–7/20, 9 am–12 pm
Nancy Slowik | NYBG | 231NAT323

**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.

$125/$139 Certificate Elective

3 Mondays, 7/11–7/25, 6–8 pm
Alan Wells, Ph.D. | Online | 231NAT325

**NIGHT CALLERS: BRONX BATS**

Venture onto NYBG’s grounds to locate and identify bats through their ultrasonic calls with J. Alan Clark, co-author of *Bats in the Bronx*, a recent study of five local bat species. We hope to detect several species, including Eastern Red bats and possibly Silver-Haired bats.

$85/$95 Certificate Elective

Tuesday, 8/9, 6:30–8:30 pm
J. Alan Clark, Ph.D. | NYBG | 231NAT329A

Thursday, 9/8, 6:30–8:30 pm
J. Alan Clark, Ph.D. | NYBG | 231NAT329B

**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.

$145/$159 Certificate Elective

3 Thursdays, 8/11–8/25, 6–8 pm
Alan Wells, Ph.D. | Online | 231NAT325

**NEW! 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.

$85/$95

Saturday, 7/23, 10 am–1 pm
Ken Chaya | NYBG | 231NAT328

**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. Blended class: online and on-site.

**Prerequisite:** Basic Plant ID or Plant Structure

$295/$325 Certificate Requirement

5 Thursdays, 9/15–10/13 (rain date: 10/20) 10 am †
Nancy Slowik | NYBG & Online | 231BOT331ABL

5 Saturdays, 9/17–10/22 (no class 10/8; rain date: 10/29), 10 am †
Nancy Slowik | NYBG & Online | 231BOT331BBL

**NEW! FRESHKILLS PARK: A CONSERVATION SUCCESS STORY**

Staten Island’s Freshkills Park hosts an expansive native grassland habitat atop what was once the world’s largest landfill. Discover what researchers are finding as they study the return of wildlife to this human-engineered ecosystem, including several birds on New York State’s endangered and threatened species list. Learn about some of the challenges faced in maintaining this unique habitat. See our website for details about an optional guided tour of the park.

$59/$65

Wednesday, 6/22, 6–8 pm
José Ramírez Garofalo & Shannon Curley, Ph.D. | Online | 224NAT3200

**NEW! 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.

$45/$55

Monday, 7/25, 6:30–7:30 pm
Elena Tartaglia, Ph.D. | Online | 231NAT3480

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

Discover the abundance of Staten Island’s Freshkills Park, a recently restored native grassland habitat.
Wellness classes are presented for informational purposes only and are not intended for self-medication.
Herbal Saturday

Herbs have been helping us stay healthy for thousands of years. Join us for a catalog of the NYBG herbal garden at the peak of spring! Blend your very own herbal tea blends. Learn about the herbs that help repair and remedy those annoying seasonal allergies. New! Food as Medicine: Wild Greens Salad, custom blends. The winter cold can be tough on our skin. New! Moisturize your skin—making it glow just in time for spring! Blend your very own nourishing elixirs. Craft a wild greens salad into nourishing elixirs. Explore how to approach food as medicine and incorporate springtime plants in your area. All materials provided.

224WEL130D
All Three Sections: $155/$175
Registration fee for each section: $59/$65

Rose Lee | 224WEL130D
Suhaly Bautista-Carolina | 224WEL130C

For more information, visit isa-arbor.com
For a catalog, visit nybg.org/edu/soph or call 718.817.8720

NYBG School of Professional Horticulture

The American Society of Botanical Artists (ASBA) brings the best of contemporary botanical art to New York Botanical Garden. ASBA is a non-profit organization of American Society of Botanical Artists, is a group of more than 90 like-minded artists that meets once a month to support the profession in art and promote the professional practice of arboriculture.

The Guild of Natural Science Illustrators (GNSI) encourages artists to pursue their skills in the disciplines of layout, design, and illustration. GNSI is a member of the American Society of Botanical Artists. The Guild is an international organization of artists and scientists whose mission is to advance the art and science of natural science illustration by encouraging the development of scientific illustration and information exchange. The Guild holds an annual conference and holds a biennial art exhibition. Membership is open to anyone interested in these areas. For more information, visit gnsi.org.

American Horticultural Therapy Association (AHTA) is a non-profit organization of 900 members throughout the United States. Their mission is to help the profession gain visibility. The AHTA also offers an annual conference and certification exam. For more information, visit ahta.org.

Continuing Education Units (CEUs) & Academic Programs

All NYBG Botanical Art & Illustration students are cordially invited to join the Tri-State Botanical Artists (TSBA), a circle of the American Society of Botanical Artists, which is a non-profit organization of professional botanical artists and who have a mutual interest in natural science illustration. TSBA promotes the exchange of information among students, faculty, and professionals in the field of natural science illustration. Meetings are free and open to all. For more information, visit tsba.org.

American Association of Landscape Professionals (AALP) has a membership of 9,000 members throughout the United States. AALP is a member of the American Society of Landscape Professionals (ASLA) and promotes the professional practice of landscape professionals. AALP provides education, networking, and resources to help members succeed in their careers. For more information, visit aalp.org.

American Society of Landscape Designers (ASLD) is a member of the American Society of Landscape Designers (ASLA) and promotes the professional practice of landscape designers. ASLD provides educational opportunities, networking, and resources to help members succeed in their careers. For more information, visit asld.org.

American Society of Landscape Architects (ASLA) has a membership of more than 1,300 members throughout the United States. Their mission is to promote the understanding of contemporary botanical art, ASBA and in 20 other countries. Dedicated to promoting the profession and professionals, ASBA provides education, networking, and resources to help members succeed in their careers. For more information, visit asba.org.

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**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 Adult Education, please call 718.817.8802.

**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 718.817.8955.

**Satisfactory Academic Progress Policy**

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

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<th>Grade</th>
<th>GPA</th>
<th>Percentile</th>
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<tr>
<td>A</td>
<td>4.0</td>
<td>94-100</td>
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<tr>
<td>A-</td>
<td>3.7</td>
<td>90-93</td>
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<td>B+</td>
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<tr>
<td>B</td>
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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 2022 ceremony will be held on Sunday, June 5. If you expect to complete your Certificate requirements or enroll in all remaining classes by June this year, you must inform the Manager of Adult Education in writing at adultedgraduation@nybg.org by March 25. You will be informed if you are eligible for a Certificate by April 18. 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 three programs: Horticulture, Horticultural Therapy, 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, Horticultural Therapy, 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/adulted

Entrance to the Garden on Class Days
You must present your printed confirmation letter, proof of vaccination against COVID-19, and your ID at the Mosholu Entrance to gain admittance to the Garden and free parking. Everyone, including staff, must wear a face covering in any NYBG indoor location. For the latest policies, please visit nybg.org/faq-vaccination

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 will be granted for missed classes. There are no refunds or credits 24 hours before a course begins.

If you wish to withdraw from a course before it begins, you must notify the Registration Office ten full business days before the first class meeting. We will issue a refund minus a $10 processing fee.

If you must withdraw fewer than ten days before the first class meeting:

No refunds will be granted for course levels 0–299 and 700–999.

A 75% refund minus a $10 processing fee will be granted for course levels 300–699. Please note: Floral Design materials fees will not be refunded fewer than 5 business days before class begins.

Holidays
No classes will be held on these dates: May 30; June 20; July 4; Sept. 5; Oct. 10; Nov. 8; Nov. 24–25; 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 Adult Education classes, and exclusive invitations to special Member Days, Tours, and Programs. For more information, call 718.817.8703 or visit nybg.org/membership

Registration Is Easy!

Web
Register online at nybg.org/adulted

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

Midtown Education Center
Two blocks from Grand Central Terminal
20 West 44th Street, between 5th and 6th Avenues; 212.302.2054
Keep Growing at 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 online, in our 250 magnificent acres in the Bronx, and at our Midtown Education Center at 20 West 44th Street.*