

# NYBG

ADULT EDUCATION | SPRING-SUMMER 2022



NEW YORK BOTANICAL GARDEN

# 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](https://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.





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*“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](http://hillarywfayle.com).





©Gladimir Gelin

## 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 | 224LAN8140 | \$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.



©Jesse Frohman

**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.

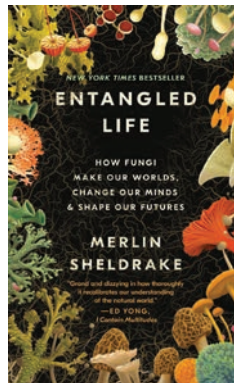


©Inez and Vinoodh

**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 | 231BOT8190 | \$23/\$26

© Natalie Baszile



## Symposium:

# A SEAT AT THE TABLE

**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.



**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.

### 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.



As 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.

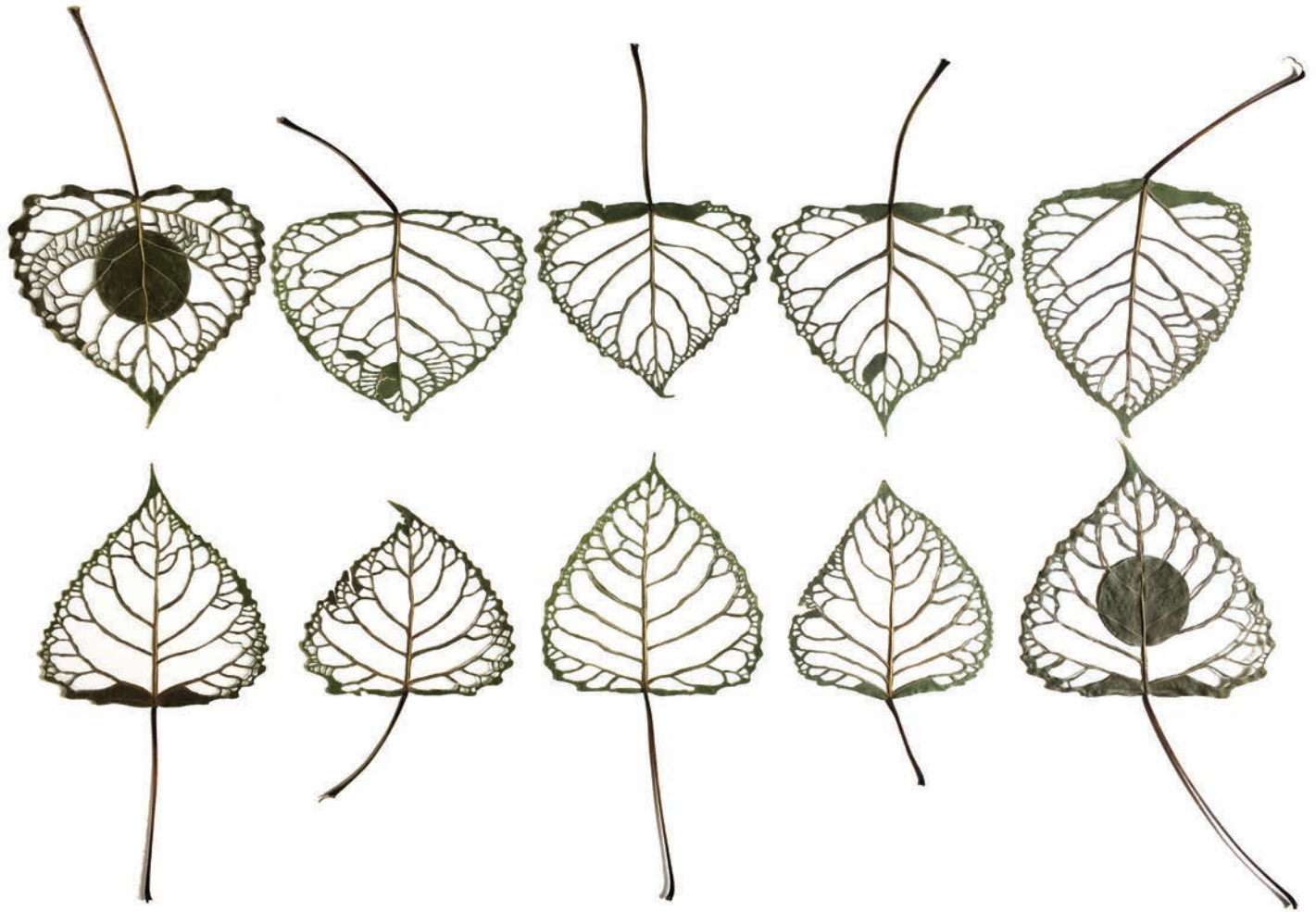
Washington co-founded Black Urban Growers (BUGS) to support Black growers in urban and rural settings. She received the James Beard Leadership Award in 2014 and is currently on the boards of The New York Botanical Garden, Farm School NYC, Greenworker Cooperatives, and Soul Fire Farm. Washington is co-creator and organic grower at Rise & Root Farm in Chester, New York.

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

Admission is free; advance registration required  
Register online at [nybg.org/atthetable](https://nybg.org/atthetable)

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





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# Botanical Art & Illustration

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

## THE CERTIFICATE PROGRAM

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

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

## ELECTIVES

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

Course	Code	Hours	Page
Botanical Watercolor II**	BIL 332	<b>P</b> 18	—
Urban Lichens in Graphite & Watercolor	BIL 387	<b>P</b> 15	7
Spring Flowers in Colored Pencil & Watercolor	BIL 405	<b>P</b> 9	6
Drawing Conifers**	BIL 404	<b>P</b> 10	—
Leaves in Watercolor	BIL 463	<b>P</b> 12	7
Rendering Textures in Graphite	BIL 493	<b>P</b> 18	7
Ink Wash Techniques**	BIL 407	<b>P</b> 15	—
Illustrating Insects: Pollinators and Beyond	BIL 338	<b>P</b> 16	7

\*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](mailto: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](mailto: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 | 224BIL156AO

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 | 224BIL2360

### SUCCULENTS

Saturday, 7/16, 11 am–4:30 pm  
Susan Sapanara | Online | 231BIL2330

### ROSE OF SHARON

Sunday, 8/7, 11 am–4:30 pm  
Laura Vogel | Online | 231BIL2660

### NEW! JAPANESE CHRYSANTHEMUMS

Saturday, 9/10, 11 am–4:30 pm  
Adele Rosetti | Online | 231BIL2690

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 | 224BIL2540

### 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 | 224BIL2670

### NEW! MANGOS IN DRY BRUSH WATERCOLOR

Saturday, 7/23, 11 am–4:30 pm  
Carrie Di Costanzo | Online | 231BIL2780

### NEW! BOSC PEARS IN DRY BRUSH WATERCOLOR

Saturday, 8/27, 11 am–4:30 pm  
Carrie Di Costanzo | Online | 221BIL2710

### NEW! SPRUCE CONES IN DRY BRUSH WATERCOLOR

Saturday, 9/17, 11 am–4:30 pm  
Carrie Di Costanzo | Online | 221BIL2840

Registration fee for each section: \$125/\$135

## 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 Saturdays, 5/7–6/18 (no class 5/28), 11 am–2 pm  
Scott Rawlins | Online | 224BIL301BO


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

6 Thursdays, 8/4–9/8, 11 am–2 pm  
Laura Vogel | Online | 231BIL301EO

6 Thursdays, 9/15–10/20, 6–9 pm  
Katy Lyness | Online | 231BIL301FO

### 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 Tuesdays, 5/31–7/12 (no class 7/5), 6–9 pm  
Linda Nemergut | Online | 224BIL302BO


6 Saturdays, 7/9–8/13, 11 am–2 pm  
Scott Rawlins | Online | 231BIL302CO

6 Wednesdays, 8/3–9/7, 6–9 pm  
Gaye Grossman | Online | 231BIL302DO

6 Tuesdays, 9/13–10/25 (no class 9/27), 11 am–2 pm  
Sarah Wry | NYBG | 231BIL302E

6 Thursdays, 9/22–10/27, 11 am–2 pm  
Laura Vogel | Online | 231BIL302FO


### 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


## THE BASICS OF VISUAL COMPOSITION

Forethought and an understanding of basic composition principles are the foundation of any balanced work of art. Through group critiques, discussions and a variety of exercises, we'll experiment with a wide range of principles, including focal point, the rule of thirds, value, and negative space that will help your artwork achieve maximum visual impact. This class is best taken early in your Certificate program.  Prerequisite: *Botanical Drawing II* | \$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 | 224BIL4050

### BOTANICAL WATERCOLOR I

This comprehensive class covers the basics. Learn how to use your brushes to make smooth, underlying washes, and create fine detail. Color theory teaches you how paints interact, and how to select the right colors for your subject. Paper selection, transferring preliminary drawings, and more round out this strong foundation.

 Prerequisite: *Botanical Drawing II* | \$569/\$625 *Certificate Requirement*

8 Wednesdays, 5/4–6/22, 10 am–1 pm  
Rose Marie James | Online | 224BIL331AO

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 | 224BIL4150



## 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* | \$495/\$545  
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*  
\$435/\$479 Certificate Requirement

6 Fridays, 7/8–8/12, 11 am–2 pm  
Carol Ann Morley | Online | 231BIL4000

## 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* | \$395/\$435 Certificate Elective

6 Tuesdays, 9/13–10/11 (no class 9/27), 6–9 pm  
Linda Nemergut | Online | 231BIL3870

## 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* | \$359/\$395 Certificate Elective

4 Thursdays, 6/9–6/30, 11 am–3 pm  
Scott Rawlins | Online | 224BIL3380

# VISITING ARTISTS

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



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

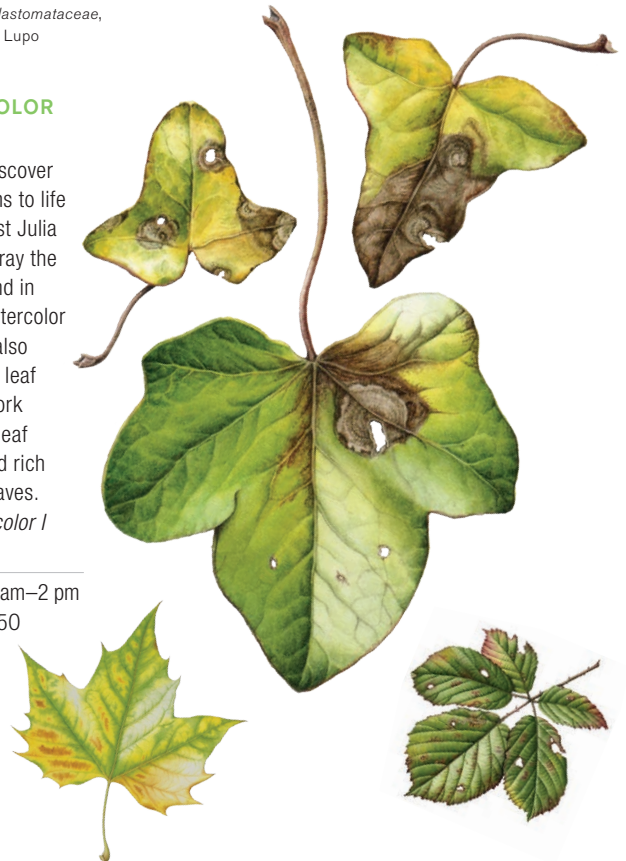
## NEW! LEAVES IN WATERCOLOR WITH JULIA TRICKEY

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*  
\$445/\$489 Certificate Elective

Thursday–Saturday, 4/7–4/9, 10 am–2 pm  
Julia Trickey | Online | 224BIL4050

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





# Botany









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


Course	Code	Hours*	Page
Plant Structure	BOT 315	24	10
Plant Physiology**	BOT 316 	21	10
Plant Diversity	BOT 317 	24	10
Dendrology: Woody Plant Identification	BOT 375 	15	10
Herbaceous Plant Identification	BOT 376 	15	10
<i>One of the four Native Flora courses:</i>		12	—
Native Flora in Autumn	BOT 331 		10
Native Flora in Winter**	BOT 332 		—
Native Flora in Spring	BOT 333 		10
Native Flora in Summer	BOT 334 		10
<i>Elective Credits (See current electives below)</i>		58	
TOTAL REQUIRED HOURS		169	

## ELECTIVES

Course	Code	Hours*	Page
Nature's Pharmacy	BOT 346	4	9
Botanical Latin	GAR 360	12	9
Forest Ecology	BOT 326	12	10
Paleobotany: The Origin of Plants	BOT 434 	12	9
Spring Mushrooms	BOT 330	6	9
Psychedelic Mushrooms	BOT 302	2	9
The Science of Tree Communication	BOT 385	6	9
Summer Mushrooms	BOT 356	6	10
Autumn Mushrooms	BOT 368	6	10
Crops and Climate	BOT 340	2	10

\*Course hours do not include exam hours

\*\*Courses offered in the Fall–Winter Catalog

 Courses with a prerequisite before you can register

**QUESTIONS? CONTACT PROGRAM COORDINATOR**  
JAMIE BOYER, PH.D., AT [JBOYER@NYBG.ORG](mailto: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?

### SHAPESHIFTING SLIME MOLDS

Myxomycetes, or slime molds, are single-celled organisms commonly found in nature, even if their minuscule size makes them easy to overlook. Naturalist **Alison Pollack** (@marin\_mushrooms on Instagram) will share her otherworldly macro photographs of these miniature marvels and provide an overview of their life cycle, morphology, and behavior.

### LICHENS: NATURE'S PARADOX

Lichens are vibrant, remarkable microcosms structured around fungi. Both rugged and resilient, yet intricate and fragile, they are defined by contradiction and exist outside the normal rules of life. NYBG scientist **James Lendemer, Ph.D.**, will discuss recent findings that shed new light on these fascinating creatures, placing them at the center of understanding ourselves and our changing world.

**Tuesday, June 14, 6–8 pm | Online | 224BOT8160 | \$25/\$29**

### 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 | 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

### 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 | 223BOT4340

### 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 | 224BOT346AO

2 Saturdays, 6/4 & 6/11, 10 am–12 pm  
Andrea Candee | Online | 224BOT346BO

### 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, 10:30am–12:30pm  
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 | 224BOT385AO

3 Tuesdays, 7/12–7/26, 6–8 pm  
Steve Kutos | Online | 231BOT385BO

### 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 | 224BOT2230

### 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 | 224BOT302AO

Thursday, 8/4, 6–8 pm  
Eugenia Bone | Online | 231BOT302BO

† 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? Or what part of a plant is celery? 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 | 231BOT2930

## 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 **Zemed 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. & Zemed 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. **P** 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. **P** 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. **P** Prerequisite: *Plant Structure* | \$559/\$619 *Certificate Requirement*

8 Wednesdays, 4/13–6/1, 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. **P** 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–12 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. **P** 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. **P** 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 | 224CRF277AO

Thursday, 6/16, 6:30–8:30 pm  
Jenny Kroik | Online | 224CRF277BO

Thursday, 8/11, 6:30–8:30 pm  
Jenny Kroik | Online | 231CRF277CO

## 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

## 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 | 224CRF237AO

2 Sundays, 9/18 & 10/2, 2–4 pm  
Madeline Yanni | Online | 231CRF237BO

## 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

## 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! 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 | 231CRF269O

## 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



**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 | 231CRF1030

**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–4pm  
Jessica 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

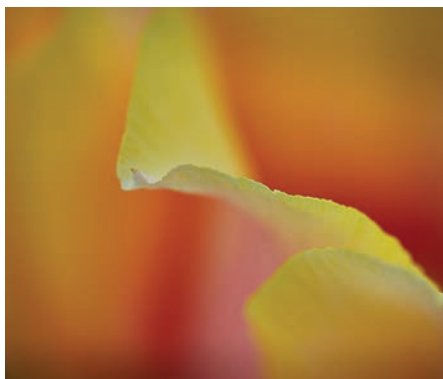
Friday, 9/16, 10 am–4 pm  
Jessica Clark | NYBG | 231CRF208

REGISTER ONLINE AT NYBG.ORG/ADULTED  
OR CALL 718.817.8720



Craft handheld brooms from agave fiber.

©Poliana Danila



Use organic forms to take stunning abstract photos.

©Douglas Dubler



Experiment with botanical dyes.

©Geraldine Lavin



Weave a beautiful, functional tray.

©Jessica Clark

# 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 | 224GWP9370

## 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





©Marie Viljoen

## *Experiment with fermentation, food preservation, and mixology!*

### 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 | 224CKG207A0

Wednesday, 8/24, 6–8 pm  
John Michelotti | Online | 231CKG207B0

### 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

### 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

### 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

### 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

### 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





# 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](mailto: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.

Course	Code	Hours	Page
Fundamentals of Form	FDN 300	16	16
Fundamentals of Style	FDN 302 <b>P</b>	16	16
Wedding Design I: Personals	FDN 304 <b>P</b>	18	17
Color Theory for Floral Design	FDN 306	6	17
Flower ID from A to Z	FDN 308	6	17
Interior Plantscapes	FDN 310	8	17
Shopping the New York Flower Market	FDN 400 <b>P</b>	4	17
Modern Sympathy Designs**	FDN 382 <b>P</b>	6	—
Wedding Design II: Ceremony & Reception	FDN 305 <b>P</b>	16	17
Grand-Scale Arrangements	FDN 502 <b>P</b>	8	17
Event Planning for the Floral Designer	FDN 504 <b>P</b>	12	17
<i>Elective courses</i>		26	
<b>TOTAL REQUIRED HOURS</b>		<b>142</b>	



**ELECTIVES**

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

\*\*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](mailto: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)

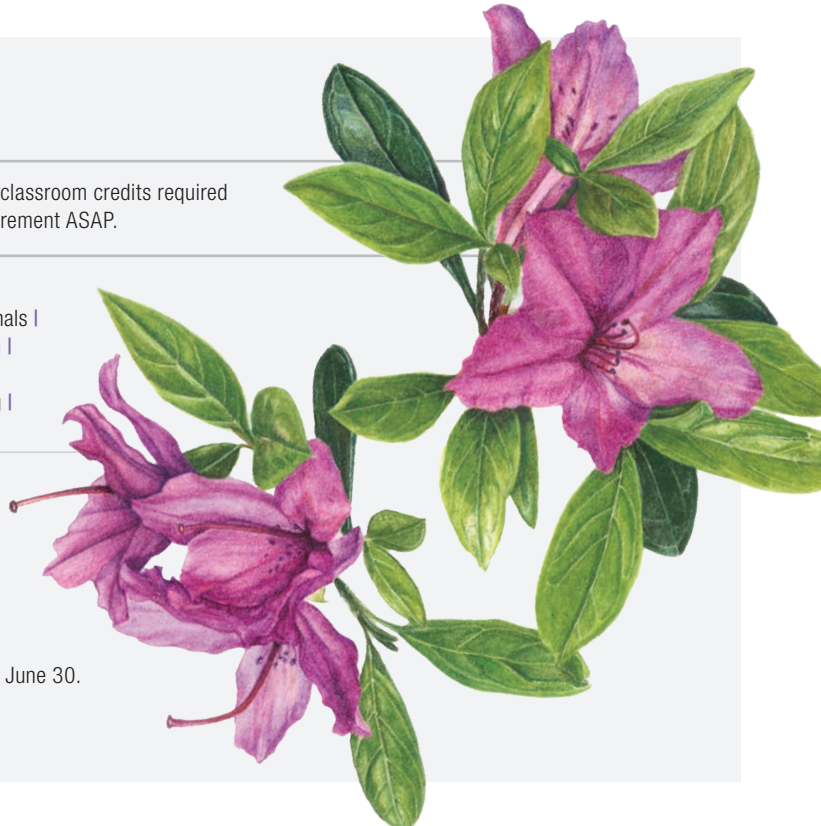
Tuition includes all flowers, supplies, and a complete set of tools.

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](mailto: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 | 224FDN315A

Thursday, 6/2, 10:30 am–12:30 pm  
Trish O'Sullivan | New Canaan | 224FDN315B

### 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 Grey 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, 4/5–4/26, 10 am–2:30 pm  
Thomas Cawley | NYBG | 224FDN300A

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 | 224DN300CO

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.

**P** Prerequisite: *Fundamentals of Form* | \$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 | 224FDN302BO

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



## 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.

**P** Prerequisite: *Fundamentals of Style* | \$395/\$435 Certificate Requirement

4 Tuesdays, 3/8–3/29, 10 am–2:30 pm  
Thomas Cawley | NYBG | 223FDN304D

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 foliage. 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 | 223FDN308CO

3 Thursdays, 4/28–5/12, 6–8:30 pm  
Rose G. Edinger | Online | 224FDN308AO

3 Tuesdays, 8/16–8/30, 6–8:30 pm  
Rose G. Edinger | Online | 231FDN308BO

## 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

2 Fridays, 3/11 & 3/18, 10 am–2:30 pm  
Chris Raimondi, CLP | NYBG | 223FDN310B

## 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.

**P** 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—evoke feelings and set the mood. Explore the role of color in floral design across a spectrum of flowers. This course gives you a solid grounding in color theory, while highlighting popular hues and color combinations. 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 | 231FDN306BO

## WEDDING DESIGN II: CEREMONY & RECEPTION

Design and create arrangements appropriate for the ceremony, season, and setting, including aisle and altar designs, pew arrangements, and banquet table centerpieces. Work with a remarkable array of flowers, foliage, and fabrics to create captivating garlands and columns. We'll discuss a variety of ceremonial styles, including chuppahs, in both outdoor and indoor venues. \$245 materials fee.

**P** 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. **P** Prerequisite: *Fundamentals of Form* \$95/\$105 Certificate Requirement

Friday, 5/20, 9 am–12:30 pm  
Nsombi Woodson | Off site | 224FDN400A

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.

**P** 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 | 224FDN2710

### 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.





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# Gardening

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

## THE CERTIFICATE PROGRAM

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

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



**CERTIFICATE REQUIREMENTS**

Course	Code	Hours	Page
Fundamentals of Gardening	GAR 301	12	21
Introduction to Plant Science	HRT 300	16	25
Soil Science for Gardeners	GAR 302	12	22
Gardening with Native Plants	GAR 315	8	22
Insect Identification and Management	GAR 320	12	22
Disease Identification and Management	GAR 324	12	22
Fundamentals of Garden Design	GAR 342 <b>P</b>	12	22
Vegetable Gardening	GAR 431 <b>P</b>	12	22
Complete Garden Care and Maintenance	GAR 440 <b>P</b>	18	22
Pruning Principles and Practices**	HRT 321	15	—
Plants for Landscaping	HRT 358	16	26
Plant Propagation I: Basic Principles	HRT 411 <b>P</b>	18	26
<i>Elective GAR or HRT courses</i>		23	
<b>TOTAL REQUIRED HOURS</b>		<b>187</b>	

**ELECTIVES**

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

\*\*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](mailto: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. | \$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. | \$79/\$85

2 Fridays, 4/1 & 4/8, 9:30–11:30 am  
Kim Eierman | Online | 224GAR2160

**INTRODUCTION TO BULBS**

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

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

**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. | \$55/\$65

Saturday, 4/9, 9:30–11:30 am  
Lorraine Ballato | Online | 224GAR2410

**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. | \$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**

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

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](mailto:adulted@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

### PHALAEOPSIS CARE

Myths abound about how hard it is to care for this ever-popular orchid. Dispel them with sensible advice on how to treat your phalaenopsis so it blooms year after year. Light, water, nutrients, repotting, and root care are all key. | \$55/\$59

Wednesday, 3/23, 6–8 pm  
Christopher Satch | Online | 223GAR213E0

Thursday, 4/14, 6–8 pm  
Christopher Satch | Online | 224GAR213A0

### 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

**Major Support: GUERLAIN** PARIS Janet Traeger Salz Charitable Trust

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

### BASICS OF PERENNIAL MAINTENANCE

Learn the basics of successfully cultivating perennials in a variety of garden settings, including site selection, soil preparation, tools, planting techniques, maintenance practices, plant selection, landscape use, and design basics. | \$115/\$125  
*Certificate Elective*

3 Thursdays, 5/26–6/9, 6–8 pm  
Jennifer Cappello-Ruggiero | Online | 224GAR3230

### 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*

4 Thursdays, 4/14–5/5, 10 am–12 pm  
Renee Marsh | Online | 224GAR327A0

4 Fridays, 9/30–10/21, 10 am–12 pm  
Renee Marsh | Online | 231GAR327B0

### LANDSCAPE FOR CURB APPEAL

Make a great first impression by creating a welcoming entry garden for your home. Review examples that work for different architectural styles, and develop plant lists that fit the specific needs of every type of front yard. | \$55/\$59

Sunday, 4/24, 11 am–1 pm  
Daryl Beyers | Online | 224GAR326A0

Sunday, 6/12, 11 am–1 pm  
Daryl Beyers | Online | 224GAR326B0

### 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 | 224GAR2120

### 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 | 224GAR2220

### 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



## INDOOR TROPICALS

Are you looking to up your houseplant game? We can help! We'll walk you through many different species with stunning foliage or flowers—including bromeliads and palms—that will bring a hint of the sun-drenched tropics to your home. We'll discuss the light, soil, water, and maintenance requirements of a broad array of plants, so you can select which plants are right for you. | \$75/\$85

Thursday, 8/18, 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 | 231GAR3690

## 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 | 224GAR301AO

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 | 231GAR301EO

6 Tuesdays, 10/4–11/8, 6–8 pm

Daryl Beyers | Online | 232GAR301AO



## 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 | 223GAR1340

### 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 started with smart seed ordering, growing and choosing the right transplants, and strategizing for irrigation and pest management. | \$169/\$185 *Certificate Elective*

3 Wednesdays, 4/20–5/4, 6–8 pm

Annie Novak | Online | 224GAR3300

### 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 | 224GAR2800

### INTRO TO HERBS

Herbs are a perennial favorite for backyard, container, rooftop, and apartment gardeners. Medicinal, dye, ornamental, and culinary herbs offer benefits to you as a gardener and to your garden ecosystem. In this introductory course, learn how to set up a successful herb garden or improve your existing plantings, how to select the right seeds and plants for your site, and the basics of cultivation and care. | \$115/\$125 *Certificate Elective*

2 Mondays, 5/16 & 5/23, 6–7:30 pm

Annie Novak | Online | 224GAR3330

### 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

3 Wednesdays, 5/18–6/1, 6–7:30 pm

Annie Novak | Online | 224GAR143AO

3 Wednesdays, 9/14–9/28, 6–7:30 pm

Annie Novak | Online | 231GAR143BO

### 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 | 224GAR3280

### 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 Bulpitt | Online | 224GAR3020

### 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 | 224GAR3600


### GARDENING WITH NATIVE PLANTS

Learn how native plants enhance gardens and augment biodiversity. Study native herbaceous and woody plants: their identification, habitat, and culture. Hear about the significance of woodland soils, and how to promote a healthy environment to support spring ephemerals, summer perennials, shrubs, and trees. | \$215/\$239 *Certificate Requirement*

4 Mondays, 5/2–5/23, 6–8 pm  
Kim Eierman | Online | 224GAR315AO

4 Sundays, 9/11–10/2, 10 am–12 pm  
Kim Eierman | Online | 231GAR315BO


### FUNDAMENTALS OF GARDEN DESIGN

This class introduces basic garden design principles using the interplay of structural features, plant characteristics, and site assessment. Learn to creatively combine trees, shrubs, perennials, annuals, and bulbs based on color, shape, texture, and size.  Prerequisite: *Plants for Landscaping* \$285/\$315 *Certificate Requirement*

5 Thursdays, 6/9–7/7, 6–8:30 pm  
Daryl Beyers | Online | 224GAR3420

5 Wednesdays, 10/19–11/16, 10–1 pm  
Sheri Forster | NYBG | 232GAR342A

### 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 | 224GAR431AO

6 Wednesdays, 8/10–9/14, 6–8 pm  
Stephen Nocera | Online | 231GAR431BO

### INSECT IDENTIFICATION AND MANAGEMENT

Pest identification is key to maintaining a healthy garden. Identify which common insects are pests and which are beneficial. Learn the most common orders of insects and the damage they can cause, as well as simple, non-toxic methods of preventing major infestations. Please bring samples of insects and damaged plants to class. Note: This is not the same class as HRT381 with the same name. \$285/\$319 *Certificate Requirement*


5 Saturdays, 9/17–10/22 (no class 10/8),  
10:00 am–12:30 pm  
Mark Kokinshak | Online | 231GAR3200

### 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*

6 Wednesdays, 5/25–6/29 (rain date 7/6),  
4:30–7:30 pm  
Mabee Weinstein | NYBG | 231GAR440A

9 Sundays, 9/18–11/20 (no class 10/9),  
10:30 am–12:30 pm  
Jennifer Cappello-Ruggiero | NYBG & Online  
231GAR440BL

## 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 | Online | 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





# 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 | 231GAR201HO

### 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

All-Day Saturday @ NYBG | 224GAR200A  
Online 3-Saturday Series | 224GAR200EO

## All About Containers Saturday

Saturday, May 21 | 10 am–5 pm  
Manhattan

10 am–12 pm

### CONTAINER GARDENING 101

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

Michael Troy Brown | 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-Straight | 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

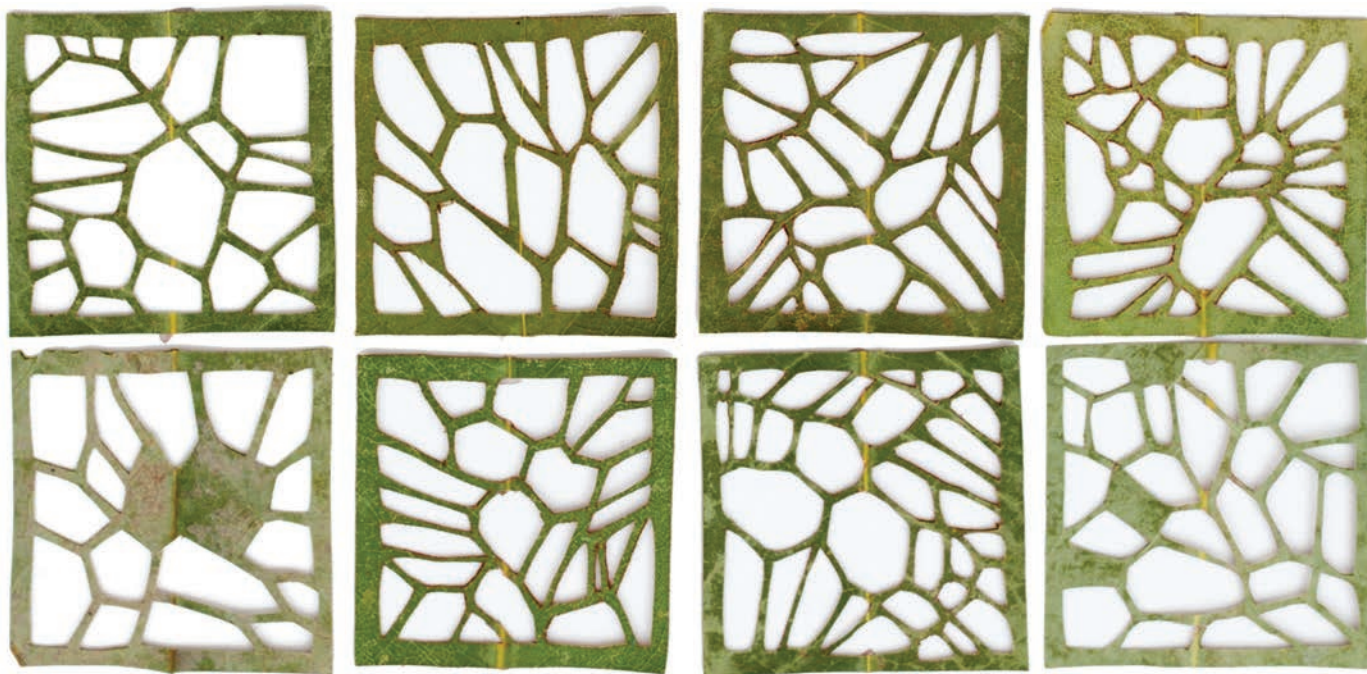
### PROPAGATING NATIVE PLANTS

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





# 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

Course	Code	Hours	Page
<b>Plant Production</b> TRACK 1			
Introduction to Plant Science	HRT 300	16	25
Soil Science I: Physical Properties	HRT 301	18	25
Soil Science II: Chemistry and Nutrition	HRT 302 <span>P</span>	18	25
Horticultural Techniques: Greenhouse Practices**	HRT 312 <span>P</span>	15	—
Insect Pests of Landscape Plants	HRT 381 <span>P</span>	18	27
Plant Propagation I: Basic Principles	HRT 411 <span>P</span>	18	26
Plant Propagation II: Applications **	HRT 412 <span>P</span>	13	—
Disease Identification & Management	HRT 481 <span>P</span>	18	26
Nursery and Greenhouse Management **	HRT 491 <span>P</span>	24	—
TOTAL REQUIRED HOURS		158	
Course	Code	Hours	Page
<b>Sustainable Landscape Management</b> TRACK 2			
Introduction to Plant Science	HRT 300	16	25
Soil Science I: Physical Properties	HRT 301	18	25
Soil Science II: Chemistry and Nutrition	HRT 302 <span>P</span>	18	25
Horticultural Techniques: Landscape Gardening	HRT 311 <span>P</span>	18	26
Pruning Principles and Practices**	HRT 321 <span>P</span>	15	—
Basic Design and Installation of Irrigation Systems**	HRT 323	12	—
Business Practices for the Landscape Professional	LAN 457	12	27
Insect Pests of Landscape Plants	HRT 381 <span>P</span>	18	27
Tree Management**	HRT 422 <span>P</span>	14	—
Landscape Management	HRT 443 <span>P</span>	24	26
Disease Identification & Management	HRT 481 <span>P</span>	18	26
Invasive Weed ID & Management **	HRT 482 <span>P</span>	12	—
Mathematics for Horticulturists	HRT 356	6	26
TOTAL REQUIRED HOURS		201	



Course	Code	Hours	Page
<b>Arboriculture</b> TRACK 3			
Introduction to Plant Science	HRT 300	16	25
Soil Science I: Physical Properties	HRT 301	18	25
Soil Science II: Chemistry and Nutrition	HRT 302 <b>P</b>	18	25
Tree Climbing for Arborists	HRT 304	15	27
Chainsaws: Use, Safety, and Maintenance**	HRT 308	6	—
Pruning Principles and Practices**	HRT 321 <b>P</b>	15	—
Landscape Plants: Fall Trees and Shrubs	HRT 331 <b>P</b>	12	27
Landscape Plants: Conifers**	HRT 333 <b>P</b>	12	—
Landscape Plants: Spring Trees and Shrubs	HRT 334 <b>P</b>	12	26
Insect Pests of Landscape Plants	HRT 381 <b>P</b>	18	27
Tree Management**	HRT 422 <b>P</b>	14	—
Urban Tree Care	HRT 426 <b>P</b>	12	27
Winter Tree Identification**	HRT 440 <b>P</b>	8	—
Disease Identification & Management	HRT 481 <b>P</b>	18	26
TOTAL REQUIRED HOURS		194	

**Sustainable Garden Design** TRACK 4

Introduction to Plant Science	HRT 300	16	25
Soil Science I: Physical Properties	HRT 301	18	25
Landscape Plants: Broadleaved Evergreens**	HRT 332 <b>P</b>	9	—
Landscape Plants: Spring Trees and Shrubs	HRT 334 <b>P</b>	12	26
Landscape Plants: Spring Perennials	HRT 336 <b>P</b>	9	27
Landscape Plants: Late Season Perennials & Grasses	HRT 338 <b>P</b>	12	27
Landscape Plants: Annuals	HRT 341 <b>P</b>	8	27
Landscape Plants: Bulbs**	HRT 342 <b>P</b>	12	—
Annual and Perennial Garden Maintenance**	HRT 344 <b>P</b>	8	—
Plants for Landscaping	HRT 358	16	26
Plant Communities	HRT 140	6	27
Sustainable Garden Care	HRT 395 <b>P</b>	8	27
Sustainable Garden Design **	HRT 551 <b>P</b>	20	—
Landscape Design History	LAN 301	24	33
Graphics I	LAN 311	24	33
TOTAL REQUIRED HOURS		202	

\*Course hours do not include exam hours

\*\*Courses offered in the Fall–Winter Catalog

**P** Courses with a prerequisite before you can register

For professional organizations, see p. 39.

**QUESTIONS?** CONTACT PROGRAM COORDINATOR  
CHARLES YURGALEVITCH, PH.D.,  
AT **HRTCOORDINATOR@NYBG.ORG**

**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

7 Tuesdays, 5/10–6/21, 10 am–12:40 pm  
Levi O'Brien | NYBG | 224HRT300C

8 Wednesdays, 6/15–8/3, 10:30 am–12:30 pm  
Nina Naghshineh | Online | 224HRT300DO

8 Tuesdays, 7/12–8/30, 6–8:15 pm  
Julie Seghrouchni | Manhattan | 231HRT300E

8 Saturdays, 8/6–10/1 (no class 9/3), 10:30 am–12:30 pm  
Leslie Day, Ph.D. | Online | 231HRT300FO

8 Wednesdays, 9/7–10/26, 6–8 pm  
Martha Bucuvalas | Online | 223HRT300GO

**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, 8/13–10/22 (no class 9/3 & 10/8), 11 am–1 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. **P** Prerequisite: *Soil Science I* | \$395/\$445

7 Wednesdays, 5/18–6/29, 10 am–1 pm  
George Lozefski | NYBG | 224HRT302

# EXPAND YOUR SKILL SET

## CUT FLOWER FARMING

Design, plant, and harvest a cutting garden that's productive throughout the seasons. You'll get hands-on practice starting seeds to ensure you always have something fresh to cut. We'll cover traditional and unexpected annual and perennial cut flower species and varieties that grow well locally. | \$169/\$185

3 Mondays, 3/14–3/28, 6–8 pm |  
Anne Marie Breyer | Online | 223HRT142DO

3 Sundays, 4/24–5/15 (no class 5/8), 11 am–1pm  
Anne Marie Breyer | Online | 224HRT142AO

3 Wednesdays, 6/8–6/22, 6–8 pm |  
Anne Marie Breyer | Online | 224HRT142BO

3 Mondays, 7/18–8/1, 6:15–8:15 pm |  
Anne Marie Breyer | Online | 231HRT142CO

3 Sundays, 9/18–10/2, 11 am–1 pm |  
Anne Marie Breyer | Online | 231HRT142DO

## 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 Tuesdays, 6/7–7/19 (no class 7/5), 6–8 pm  
Matthew DeBacco & Kelly Crosson | Online | 224HRT156AO

6 Wednesdays, 8/3–9/7, 6–8 pm  
Matthew DeBacco & Kelly Crosson | Online | 231HRT156BO

## 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 ways 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 | 224HRT263O

## 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 | 223HRT356O

## 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.

**P** Prerequisites: *Intro to Plant Science and Soil Science II* | \$579/\$635

9 Thursdays, 3/17–5/12, 4:30–7:30 pm  
David Laswell | NYBG | 223HRT443

## PLANT PROPAGATION I TRACK 1

Learn principles and techniques of plant propagation by seed and cuttings. Explore basic sexual and asexual propagation, focusing on fruit development, seedling production, root initiation, stem and leaf cuttings, and layering.

**P** 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. **P** 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

## 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. **P** Prerequisite: *Intro to Plant Science and Soil Science I* | \$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

4 Thursdays, 5/12–6/2, 6–8pm & 3 Saturdays, 5/14–6/4 (no class 5/28), 10 am–12pm  
Veronica Tyson-Straight | NYBG & Online | 224HRT358BBL

6 Sundays, 6/5–7/24 (no class 6/19 & 7/3), 10 am †  
Timothy Nolan | NYBG & Online | 224HRT358CBL

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

## 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. **P** 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

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

☞ 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. **P** 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. **P** Prerequisite: *Intro to Plant Science* | \$219/\$239

4 Sundays, 4/24–5/22 (no class 5/8), 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 and  
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. **P** Prerequisites: *Intro to Plant Science* and *Soil Science I* | \$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. **P** 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. **P** 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. **P** 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–12:30pm, 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, doublecrotching, 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. **P** 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, 9/24–11/12 (no class 10/8),  
10 am–12 pm  
Timothy Nolan | NYBG & Online | 231HRT331ABL

5 Wednesdays, 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.

Course	Code	Hours	Page
Introduction to Horticultural Therapy	THR 301	15	29
Horticultural Therapy for Youth with Disabilities	THR 402 <b>P</b>	15	29
Horticultural Therapy for Physical Rehabilitation	THR 403 <b>P</b>	15	30
Horticultural Therapy for Older Adults	THR 401 <b>P</b>	15	30
Fundamentals of Gardening	GAR 301	12	21
Horticultural Therapy in Behavioral Health Settings	THR 404 <b>P</b>	15	30
Horticultural Therapy Methods and Materials	THR 406 <b>P</b>	15	30
Activities Analysis for Horticultural Therapy	THR 407 <b>P</b>	15	30
Introduction to Plant Science	HRT 300	16	25
Plant Propagation I: Basic Principles	HRT 411 <b>P</b>	18	26
Garden Design for Special Populations	THR 408 <b>P</b>	15	30
Horticultural Therapy Program Management	THR 409 <b>P</b>	15	29
Horticultural Therapy Site Visits (see note below)		8	30
<b>TOTAL REQUIRED HOURS</b>		<b>189</b>	

Site Visits	Code	Hours	Page
Good Samaritan Regional Medical Center	THR 546 <b>P</b>	4	30
NYU Langone Medical Center, Therapeutic Horticulture Services	THR 525 <b>P</b>	5	30

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.

**P** Courses with a prerequisite before you can register

**Phyllis D'Amico**, HTM, Program Coordinator  
**Anne Meore**, HTR, Program Advisor

**QUESTIONS? CONTACT PROGRAM COORDINATOR**  
 PHYLLIS D'AMICO, HTM, AT [THRCOORDINATOR@NYBG.ORG](mailto:THRCOORDINATOR@NYBG.ORG)

## COLLEGE CREDIT RECOMMENDATION

Please note that Horticultural Therapy courses that begin in November 2022 or later will not be eligible for college credit through the National College Credit Recommendation Service (NCCRS).

Horticultural Therapy (THR) courses that have been completed before November 2022 will continue to be eligible for one college credit per course, provided a passing grade of C or better was received. NYBG recommends applying for college credit for all courses completed before November 2022 as soon as possible. There are two associated fees: a \$45 administrative fee to NYBG and a \$52 application & transcript fee to Excelsior. For more information, call the Registration Office at 718.817.8720.

Once college credit has been obtained, any of the nine Horticultural Therapy courses successfully completed before November 2022 can be applied toward voluntary Professional Registration through the American Horticultural Therapy Association (AHTA). See p. 39 for more information.



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

## 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. **P** Prerequisite: *Introduction to Horticultural Therapy* | \$419/\$459

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 | 223THR402BBL

3 Wednesdays, 7/6–7/20, 6–8:30 pm & 2 Sundays, 7/10 & 7/24, 10 am †  
 Phyllis D'Amico, HTM | NYBG & Online | 231THR402BL

## 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. **P** 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. **P** 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 | 224THR4090

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 | 231THR409A0

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 | 231THR409B0

### 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.

**P** 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 | 224THR4010

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 | 231THR401B0

### 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. **P** 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. **P** 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. **P** 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 | 224THR407A0

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 | 231THR407B0

### 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. **P** 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.

**P** Prerequisite: *Introduction to Horticultural Therapy* | \$135/\$149

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

Tuesday, 7/26, 9 am–2:30 pm  
Matthew Wichrowski, HTR, and staff | Off-site | 231THR525B

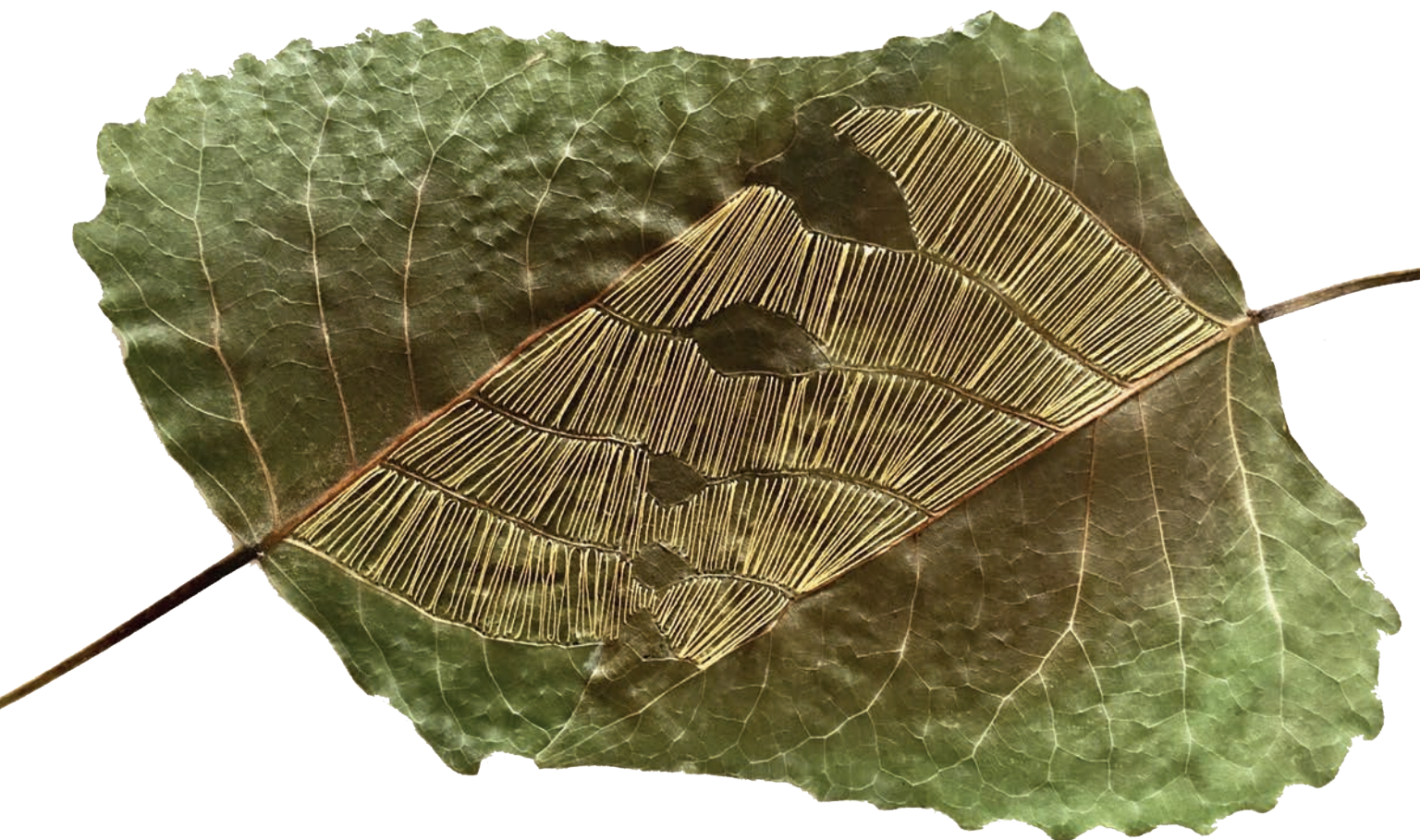
### GOOD SAMARITAN REGIONAL MEDICAL CENTER: THE GARDEN OF HOPE

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.

**P** Prerequisite: *Introduction to Horticultural Therapy* | \$135/\$149

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





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# 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

Course	Code	Hours	Page
TIER 1– Introductory Classes			
Landscape Design History	LAN 301	24	33
Graphics I	LAN 311	24	33
Landscape Measurement	LAN 340	12	34
Landscape Plants: Fall Trees and Shrubs	HRT 331 	12	27
Landscape Plants: Spring Trees and Shrubs	HRT 334 	12	26
Plants for Landscaping	HRT 358	16	26
TIER 2			
Landscape Design I: Site Analysis and Schematic Design	LAN 401 	24	34
Landscape Design II: Design Development	LAN 402 	24	34
Estimating**	LAN 380 	9	—
Graphics II	LAN 427 	24	34
Site Materials and Details**	LAN 422 	24	—
TIER 3			
Grading & Drainage	LAN 421 	30	34
Graphics III**	LAN 417 	24	—
Landscape Design III: Planting Design	LAN 403 	24	34
Business Practices for Landscape Professional	LAN 457	12	34
Landscape Design IV: Design and Construction**	LAN 520 	33	—
Portfolio and Presentation Skills	LAN 555 	15	34
TOTAL REQUIRED HOURS		337	

\*Course hours do not include exam hours  
\*\*Courses offered in the Fall–Winter Catalog  
 Courses with a prerequisite before you can register  
For professional organizations, see p. 39.

QUESTIONS? CONTACT PROGRAM COORDINATOR  
SUSAN COHEN AT [LANCOORDINATOR@NYBG.ORG](mailto:LANCOORDINATOR@NYBG.ORG)



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 |  
Plants for Landscaping | NYBG Curator-Led Tours | Off-Site Garden  
Visits | Guest Designer Presentations | Open Studio Time

Monday–Friday, July 11–August 5, 9 am–5 pm | NYBG | 231LAN960

**TUITION AND REFUNDS**  
\$2,695 (Member) / \$2,995 (Non-Member)  
A \$1,285 non-refundable deposit is due at registration.  
All materials needed for *Graphics I* are provided.  
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](mailto:adulted@nybg.org)  
**Class size is limited for individualized attention. Enroll now!**

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





©James Golden

Join James Golden to peek into Federal Twist, his lush home garden; see page 34 for details.

### 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 | 224LAN234O

### 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 7/2), 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 spaces that are wild by nature, including iconic, high-profile public projects by Piet Oudolf and Bernard Trainor, privately owned gardens, and NYBG's Native Plant Garden.

Wednesday, 6/8, 3–4 pm  
Noel Kingsbury and Claire Takacs | Online | 224LAN8230

### 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: DYNASCAPE

Learn the various tools and applications of this software package for landscape designers. Topics include: developing base plans from surveys, techniques for quick estimates, and utilizing the online plant database. Basic computer skills and PC laptop required. **P** Prerequisite: *Graphics I* \$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.

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

8 Mondays, 4/25–6/27 (no class 5/30 & 6/20), 6:15–9:15 pm  
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.

**P** Prerequisites: *Landscape Design I* and *Graphics II* | \$575/\$635 *Certificate Requirement*

8 Mondays, 4/25–6/27 (no class 5/30 & 6/20), 6:15–9:15 pm  
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.

**P** 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





# 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


Course	Code	Hours	Page
Basic Plant ID	BOT 308	6	36
<i>Two of the four Native Flora courses:</i>		24	—
Native Flora in Autumn	BOT 331 	12	37
Native Flora in Winter**	BOT 332 	12	—
Native Flora in Spring	BOT 333 	12	36
Native Flora in Summer	BOT 334 	12	36
<i>Two of the four Birds courses:</i>		12	—
Natural History of Birds: Fall	NAT 321	12	37
Natural History of Birds: Spring	NAT 317	12	36
Natural History of Insects	NAT 322	12	36
Introduction to Urban Ecology**	NAT 338	4	—
The Ecosystems of New York City	NAT 337 	8	36
Urban Ecology Field Study Workshop	NAT 323 	9	37
<i>Elective Credits (See current electives below)</i>		30	
TOTAL REQUIRED HOURS		105	

## ELECTIVES

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

Course	Code	Hours	Page
Snakes of the Northeast	NAT 367	4	36
Ancient and Venerable Trees	NAT 353	2	36
Night Callers: Bronx Bats	NAT 329	2	37
Coastal Ecology	NAT 334	8	36
Photographing Pollinators	NAT 335	4	12
Pollination Ecology	NAT 325	6	37
Dragonflies and Damselflies of the Northeast	NAT 311	6	37
Moth Ecology and Conservation	NAT 348	2	37

\*\*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](mailto: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 4/11 & 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 |  
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.

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

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

\$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.

\$295/\$325 *Certificate Requirement*

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.

**P** 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.

**P** 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 | 231NAT3110

### 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 | 231NAT3250

### 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.

**P** 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

### NATURAL HISTORY OF BIRDS: FALL

With its wide variety of habitats and its position on the Atlantic Flyway, NYC is a bird-lover's paradise, with over 300 distinct resident or migratory species living here or passing through. Practice observing distinctive feather patterns, beak and body shapes, using field guides effectively, and evaluating songs and behaviors to improve your ability to identify species in the field. We'll emphasize the role individual birds play in our ecosystem, while enjoying the unique nature of autumnal birding!  
\$295/\$325 *Certificate Requirement*

5 Tuesdays, 9/27–10/25, 10 am †  
Ken Chaya | NYBG & Online | 231NAT321BL

### 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

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

## TAI CHI FOR PEACE OF MIND AND BODY

This ancient, meditative Chinese exercise teaches relaxation, balance, and self-defense with an emphasis on correct body posture and spinal alignment. Students become relaxed, physically stronger, and ultimately healthier in both mind and body. | \$119/\$129

8 Saturdays, 4/9–6/4 (no class 5/28), 10–11 am  
Robert Torres | NYBG | 224WEL102A

8 Saturdays, 9/10–11/5 (no class 10/8), 10–11 am  
Robert Torres | NYBG | 231WEL102B

## NEW! INCENSE MAKING WITH HERBS, RESINS, AND BARK

Scented smoke has been used traditionally throughout human history to create a sense of well-being. Learn several different methods for creating your own at-home incense experience with a mix of woodland material and culinary herbs in this exploration of an ancient craft. All materials provided. | \$79/\$85

Wednesday, 4/20, 6–8 pm  
Dawn Petter | Manhattan | 224WEL233

## NEW! A PLANT-FORWARD DIET

Discover how a plant-forward diet can improve your health. Dr. Rosenfeld will dispel myths about common diets (e.g., keto, paleo, low carbohydrate) and offer a practical approach to optimal nutrition. Learn how to stay engaged and motivated on your journey to wellness and longevity. | \$45/\$49

Monday, 5/9, 6:30–8 pm  
Richard M. Rosenfeld, MD | Online | 224WEL2170

## GUT HEALTH: THE KEY TO YOUR IMMUNE SYSTEM

Your digestive system is home to over 70% of your immune system! So keeping your gut in tip-top shape is crucial to maintaining good health. Examine the difference between good and bad bacteria and explore how each affects your body. Then study how to strengthen your digestion. \$45/\$49

Thursday, 5/12, 6:30–8 pm  
Cheryl Paswater | Online | 224WEL215AO

Thursday, 8/25, 6:30–8 pm  
Cheryl Paswater | Online | 231WEL215BO

## FOREST BATHING

Experience the research-proven health benefits of forest bathing by slowing down and awakening your senses. After learning basic sensory and meditation techniques drawn from the Japanese practice of Shinrin-Yoku, Scandinavian nature philosophies, and other practices, you'll engage in mindful walking through NYBG's Thain Family Forest. | \$45/\$49

Friday, 5/20, 10:30 am–12 pm  
Nicole Joy Elmgart | NYBG | 224WEL145A

Thursday, 6/9, 10:30 am–12 pm  
Nicole Joy Elmgart | NYBG | 224WEL145C

Sunday, 7/10, 10:30 am–12 pm  
Nicole Joy Elmgart | NYBG | 231WEL145B

## ELDERBERRY SYRUP

Packed with antioxidants and vitamins, elderberry fruits and flowers have been used across cultures for centuries to prevent colds and flus, treat fevers, and tame inflammation. Delve into the many healing properties of this commonly used medicinal plant while making your own bottle of elderberry syrup. See website for materials list. | \$45/\$49

Tuesday, 6/14, 6–7:30 pm  
Dee Davis | Online | 224WEL1770

## NEW! MAKING FIRE CIDER

Tap into ancient healing methods as you learn how to create this spicy tonic used as a natural remedy against colds. We'll also discuss how to modify your diet and incorporate meditation into your day to improve your well-being. | \$45/\$49

Wednesday, 5/25, 6–7:30 pm  
Dee Davis | Online | 224WEL2160

## NEW! FLOWER ESSENCES

Discover why flower essences are believed to improve mood and well-being. We'll discuss the origins of this healing practice, specific flowers essences and their applications, and how to make your own. See website for materials list. | \$59/\$65

Wednesday, 6/22, 6–8:30 pm  
Karine Gordineer | Online | 224WEL2260

## NEW! A BRIEF HISTORY OF MEDICINAL PLANTS

Drawing from sources as far back as Ebers Papyrus, an Egyptian medical treatise from 1550 BCE, as well as stories from his own experience as an emergency physician, Dr. Morrison will offer a brief history of medicinal plants and an overview of plant-based treatments used in the modern pharmacopeia. | \$35/\$39

Tuesday, 7/26, 6:30–7:30 pm  
Matthew Morrison, MD | Online | 231WEL2080

## BUILD A HERBAL FIRST AID KIT

Use herbal skills and recipes to treat many of life's little mishaps. Herbalist Dawn Petter covers which herbs you should keep on hand and how best to use them. She'll demonstrate how to blend various herbs to produce balms, creams, and poultices. You'll put what you learn into practice to make a salve to relieve the itch of bug bites and a soothing topical infusion for bruises, pain, and sore muscles. All materials provided. | \$79/\$85

Tuesday, 8/9, 6:30–8:30 pm  
Dawn Petter | Manhattan | 231WEL221

## MEDICINAL MUSHROOMS

Emerging research suggests that mushrooms may be beneficial for brain and nerve health. Discover the properties of different species such as Maitake, Reishi, and Lion's Mane and learn where medicinal mushrooms occur locally. We'll also explore how fungi have been used to clean toxins from the environment by filtering water and removing heavy metals from soil. | \$45/\$49

Tuesday, 7/19, 6–8 pm  
John Michelotti | Online | 231WEL1810



## Continuing Education Units, Professional Societies, & Academic Programs

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

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

**The Guild of Natural Science Illustrators (GNSI)** The Guild is an international organization whose members strive to maintain and further the field, assist others in entering it, and encourage high standards of competence. For information, visit isa-arbor.com International Society of Arboriculture (ISA) is a worldwide network of professional arborists who foster a greater awareness of the benefits of trees, and promote the professional practice of arboriculture. For more information, visit isa-arbor.com



## NYBG School of Professional Horticulture

NYBG's School of Professional Horticulture offers a comprehensive, full-time, two-year program to educate and prepare you to become a skilled professional horticulturist. With a 100% job placement rate for the past 11 years, alumni have successful careers in public and private sectors, including estate management, landscape design/build firms, and public parks and gardens. The School is nationally accredited by ACCET and licensed by the New York State Education Department. Federal financial aid is available to qualified students. For a catalog, visit nybg.org/edu/soph or call 718.817.8797.

**Continuing Education Units (CEUs)** APLD and ASLA Members: Don't miss out! Get CEUs for many of our lectures. Events offering CEUs are noted in the catalog or on the individual event listing pages at nybg.org/adulted. NYBG & Bronx Community College Associate Degree Program NYBG and Bronx Community College of The City University of New York offer an Associate Degree program. The first year of the program is offered at BGC where students take academic courses. The second year is spent at NYBG, where students take academic courses and work in horticulture. For more information, contact Adijat Adebola at adijat\_adebola@bcc.cuny.edu or 718.289.5538, or NYBG at 718.817.8720

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

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

**American Horticultural Therapy Association (AHTA)** The AHTA promotes the development of horticultural therapy programming throughout the United States. Their mission is to help the profession gain visibility. The AHTA also administers a voluntary professional registration program that lists accredited horticultural therapists. For more information visit ahta.org

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



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May 14 | Midtown Education Center  
Herbs have been helping us stay healthy for thousands of years. Join these expert herbalists to learn how plants can be used for medicine and self-care.

## NEW! HERBAL MASSAGE OIL FOR POST-WINTER SKIN

10:30 am–12 pm  
The winter cold can be tough on our skin. Learn about the herbs that help repair and moisturize your skin—making it glow just in time for spring! Blend your very own massage oil to take home.

Arvoyn Hill | 224WEL130B

## NEW! HERBAL TEA BLENDS FOR SPRINGTIME VITALITY

12:45 pm–2:15 pm  
Create your own custom tea blends to help remedy those annoying seasonal allergies. Learn which herbs address common symptoms as well as their properties, dosage, and preparation. You'll take home up to three custom blends.

Suhaly Bautista-Carolina | 224WEL130C

## NEW! FOOD AS MEDICINE

2:30–4 pm  
Discover how to sustainably forage edible plants in your area. Explore how to approach food as medicine and incorporate springtime plants into nourishing elixirs. Craft a wild greens salad dressing and a floral-infused oxymel.

Rose Lee | 224WEL130D

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

All materials provided.

# Academic Policies & Procedures

## COURSE LEVELS

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

## COURSES WITH PREREQUISITES

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

## WORK-STUDY OPPORTUNITIES

For information about work-study opportunities with 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 718.817.8595.

## Satisfactory Academic Progress Policy

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

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

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

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

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

## Previous Education Credit

A student may qualify for course exemption through:

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

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

## Attendance

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

## Student Work

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

## Certificate Requirements

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

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

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

## Certificate Graduation Ceremony

The 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](mailto: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](http://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](http://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.

A refund will be issued if your class is cancelled due to low enrollment. 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](http://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, Trips, Tours, and Programs. For more information, call 718.817.8703 or visit [nybg.org/membership](http://nybg.org/membership)

# Registration Is Easy!

## Web

Register online at [nybg.org/adulted](http://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

## MIDTOWN EDUCATION CENTER

20 West 44th Street between 5th and 6th Avenues

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5/10	6:00 pm	Wired Handheld Bouquet	16
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## NEW CANAAN NATURE CENTER

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

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3/19	10:30 am	Pruning: How, When, and Where	19
5/5	10:00 am	Fundamentals of Gardening	21

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

Address Service Requested



## 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.*



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

