

# NYBG

ADULT EDUCATION | SPRING-SUMMER 2019



NEW YORK BOTANICAL GARDEN

# Welcome to 2019!

Spring comes alive at the Garden, and Adult Ed is ready to help you blossom—with a full slate of courses in gardening, botany, art, design, and urban nature, along with speakers who will share deep insights into the many ways we can learn from, protect, and live with our world of plants.

Starting in March, you won't want to miss *The Tree Dialogues*, a series of compelling conversations with best-selling authors Richard Powers, Peter Wohlleben, and our own Horticulture instructor Bill Logan. In mid-month, we premiere the breathtaking documentary *Beatrix Farrand's American Landscapes*.

In June we kick off the Garden's major exhibition, *The Living Art of Roberto Burle Marx*, with a symposium exploring the genre-spanning genius of the Brazilian modernist artist, landscape architect, and conservationist. And later that month, acclaimed British garden designer/writer Noel Kingsbury arrives for a special workshop: *The Rabbit's Eye View*.

So browse the catalog... you're sure to find something enriching and fun. Whether your passion is working with a vase, in a garden, at an easel, or on a drawing board, NYBG Adult Ed is here for you! Join us and spread the #plantlove.

**If you have never taken a class with us before...**welcome to the catalog. Each section leads off with short, intro classes you can take just for fun. As a matter of fact, you may register for any class that doesn't have a prerequisite, including those labeled "Certificate Elective" or "Certificate Requirement."

**If you are a returning student...**welcome back! We have dozens of new classes and workshops for you to explore and discover.

**If you are on a new career path or thinking about a career change...** Think about upgrading your professional profile and actively pursuing a prestigious NYBG Certificate. Develop new skills, contacts, and cross-disciplinary experience. Catch up with the latest industry changes. A NYBG Certificate is a serious credential that tells employers and clients that you've made a serious commitment to your professional development.

**Choose** from a wide variety of day, evening, and weekend classes at the Garden or at our Midtown Education Center. Our programs are made to fit your needs, as well as your schedule.



**Want to jump on the fast track?** Take advantage of an opportunity to really accelerate your progress in Floral Design, Botanical Art, Landscape Design, Horticultural Therapy, or Gardening by enrolling in one of our **Summer Intensive Programs**. You can complete up to half the requirements toward your Certificate in just a few weeks! For more information, see the Summer Intensive sections throughout the catalog.

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**ABOUT THE COVER:** The LuEsther T. Mertz Library and artwork throughout the catalog is by artist and Instagram sensation Bridget Beth Collins, who forages natural materials for her charming creations from the sidewalks, meadows, and woods in her Seattle neighborhood. Find out more about her at [FloraForager.com](http://FloraForager.com) or check out her book *The Art of Flora Forager*.



# THE *tree* DIALOGUES

With the world's forests under increasing threat, this series invites award-winning and best-selling authors for compelling conversations on critical environmental issues, eco-activism, indigenous practices, plant intelligence, and more. Join us for fascinating insights into the many ways we can learn from, protect, and live with trees and the natural world.



Illustration: The Invasive Chinese Banyan Tree, *Ficus microcarpa*, ©Mark Isaac-Williams

10:30–11:30 am | Ross Hall, NYBG



## The Overstory: A Conversation with Richard Powers

Richard Powers has authored 12 novels, received a MacArthur Fellowship and the National Book Award, and is a Pulitzer Prize and four-time National Book Critics Circle Award finalist. His latest work, *The Overstory*, is a sweeping, passionate novel of activism and resistance that is also a song of praise to the natural world. In a series of interlocking stories ranging from antebellum New York to the late-20th-century Pacific Northwest timber wars, trees bring small lives together into larger acts of war, love, loyalty, and betrayal.

Lecture followed by conversation with **Todd Forrest**, NYBG Arthur Ross Vice President for Horticulture and Living Collections.

Thursday, March 7 | 193HRT811 | \$25/\$29



## The Secret Wisdom of Nature: A Conversation with Peter Wohlleben

Peter Wohlleben, a career forester in his native Germany, is best known as author of the international bestsellers *The Hidden Life of Trees* and *The Inner Life of Animals*. *The Secret Wisdom of Nature* completes the trilogy, exploring the vast natural systems that make life on Earth possible. Describing the interplay between animals and plants, highlighting new scientific discoveries, and sharing insights from his decades of observing nature, Wohlleben helps us recapture our sense of awe and see our world with new eyes.

Lecture followed by conversation with **Maria Popova**, founder/editor of *Brain Pickings*, MIT Futures of Entertainment Fellow, and author of the newly-released, *Figuring*.

Wednesday, March 13 | 193HRT908 | \$25/\$29



## Sprout Lands: A Conversation with William Bryant Logan

William Bryant Logan is an arborist on the faculty at NYBG and the award-winning author of four books. His most recent, *Sprout Lands: Tending the Endless Gift of Trees*, is a poetic and practical global journey to rediscover and celebrate the lost traditions of tree pruning that sustained human life and culture for millennia, a time when the responsible, reciprocal relationship between humans and trees created the healthiest, most sustainable, most diverse woodlands we have ever known.

Lecture followed by conversation with **Robin Wall Kimmerer**, Ph.D., SUNY Distinguished Teaching Professor, College of Environmental Science and Forestry, and author of *Braiding Sweetgrass*.

Tuesday, May 21 | 194HRT909 | \$25/\$29

Register for all three: 194HRT912 | \$69/\$75

Support provided by Reba and Dave Williams

# Humanities Institute Presents

## World Premiere Documentary: *Beatrix Farrand's American Landscapes*

Friday, March 15, 10:30 am–12 pm  
Ross Hall, NYBG

Beatrix Farrand was one of the most influential designers of the early 20th century and the only female charter member of the American Society of Landscape Architects. Over a 50-year career, she completed design commissions at the White House, the Abby Aldrich Rockefeller Garden in Maine, NYBG's Peggy Rockefeller Rose Garden, Dumbarton Oaks, and many more.

*Beatrix Farrand's American Landscapes*, a new film from director Stephen Ives and horticulturist Anne Cleves Symmes, explores the innovative ideas of this distinctive American voice in landscape design. Host and narrator Lynden B. Miller, designer of many New York City public landscapes, is our guide to Farrand's extraordinary legacy, and joins leading garden experts, historians, and scholars who take us through the groundbreaking designer's many iconic works.

After the screening, Ives and Miller will be joined by Dumbarton Oaks Director of Garden and Landscape Studies John Beardsley in a conversation moderated by Peter Crane, President of the Oak Spring Garden Foundation.

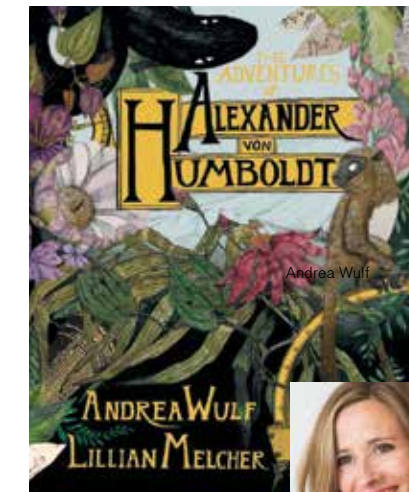
Member \$10/Non-Member \$20 | 193LAN816



Photograph ©Larry Lederman

## 250th Anniversary of Alexander von Humboldt with Andrea Wulf

Friday, April 19, 10:30 am–12 pm  
Ross Hall, NYBG



**Andrea Wulf's** 2015 bestseller *The Invention of Nature: Alexander von Humboldt's New World*, was a *New York Times* 2015 Top Ten Book and won literary honors around the world. To mark the 250th anniversary of the revolutionary naturalist-explorer-author's birth, Wulf returns to the Garden, to introduce *The Adventures of Alexander von Humboldt*—a brilliantly evocative graphic novel developed in collaboration with **Lillian Melcher**.

Focusing on Humboldt's five-year expedition in South America, Wulf and Melcher incorporate pages of his own diaries, sketches, drawings, and maps to create an intimate portrait of the radical ecologist who predicted human-induced climate change, fashioned poetic narrative out of scientific observation, and influenced iconic figures such as Bolívar, Jefferson, Darwin, and Muir. Don't miss this captivating talk with Wulf and Melcher that kicks off Earth Day Weekend at NYBG!

Member \$10/Non-Member \$20 | 194HRT910

Supported by The Andrew W. Mellon Foundation

## Exhibition Symposium: Roberto Burle Marx— A Total Work of Art

Friday, June 7, 10:30 am–12:30 pm  
Ross Hall, NYBG

To mark the opening of the Garden's major exhibition, *The Living Art of Roberto Burle Marx*, this symposium explores the breadth and genre-spanning creativity of the Brazilian modernist master, celebrating his work as an innovative artist, landscape architect, and conservationist.

MODERATOR:

**Edward J. Sullivan**, Ph.D., Exhibition Curator; Professor of the History of Art and Deputy Director, Institute of Fine Arts, New York University

SPEAKERS:

**Raymond Jungles**, FASLA, Founder and Principal of Raymond Jungles, Inc.

**Catherine Seavitt Nordenson**, ASLA, AIA, Associate Professor of Landscape Architecture at CUNY's City College; Principal, Catherine Seavitt Studio

**Isabela Ono**, Executive Director, Burle Marx Institute, Rio de Janeiro, Brazil

Member \$10/Non-Member \$20 | 194HRT911



Rendering of proposed Modernist Garden for the Enid A. Haupt Conservatory Lawn by Raymond Jungles, Inc.

# 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 remains a leader in the discipline after 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. Those who achieve the highest level of accomplishment receive a Certificate in Botanical Art & Illustration with Honors, an indication of superior work.

During the course of the program, students will:

- Acquire skills in drawing and/or painting accurately and beautifully.
- Develop techniques needed to re-create amazing detail, natural color, and convincing form.
- Gain knowledge of basic morphological features of plants.
- Learn elements of successful composition—whether for scientific illustration or fine artwork.
- Through electives, learn the history of botanical art, and explore various specialty subjects.
- Develop a personal aesthetic and a strong artistic identity.
- Enjoy access to the exceptional collection of botanical art in the Garden's LuEsther T. Mertz Library.



## SUMMER INTENSIVE CLASSES | July 8–August 9

Advance your artistic development quickly! Newcomers to Botanical Art & Illustration can complete Botanical Drawing I & II in just four weeks—less than half the normal time! Current and advanced students can choose from a selection of required classes also offered in a reduced time frame. See class listings for descriptions, instructors, and fees.

### Botanical Drawing I: Methods and Materials

Mondays, Wednesdays, & Fridays, 7/8–7/19, 10 am–1 pm | NYBG | 201BIL301A  
Tuesdays, Wednesdays, & Thursdays, 7/9–7/18, 10 am–1 pm | Manhattan | 201BIL301B

### Botanical Drawing II: Developing Your Skills

Mondays, Wednesdays, & Fridays, 7/29–8/9, 10 am–1 pm | NYBG | 201BIL302B

### Pen and Ink

Monday, Wednesday, & Friday, 7/8, 7/10, & 7/12, 10 am–4:30 pm | NYBG | 201BIL400

### Colored Pencil

Tuesdays, Wednesday, & Thursdays, 7/16–7/25, (no class 7/17), 10 am–2 pm | NYBG | 201BIL415A



*“The NYBG Botanical Art & Illustration Program was highly intense and thoroughly rewarding. Although I have my Master’s in Art, I learned so much more about color theory, composition, and drawing from the helpful and knowledgeable instructors. Since graduating from the program, I have exhibited nationally—one of my paintings received the Roth Award for Distinction at Filoli Gardens in San Francisco—and taught watercolor classes at local libraries and Adult Ed programs.”*

—LIZ FUSCO, 2017 Graduate

**Robin A. Jess**, Program Coordinator  
**Laura Vogel**, Program Advisor

**QUESTIONS? CONTACT PROGRAM COORDINATOR ROBIN JESS AT [BILCOORDINATOR@NYBG.ORG](mailto:BILCOORDINATOR@NYBG.ORG)**

## *The Tri-State Botanical Artists of NYBG*

TSBA is a lively group of over 40 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! TSBA is recognized as an ASBA Circle. Meetings are free and held once a month at NYBG. See p. 55 for more information. **Join us on March 26, at 12:30 pm to hear “Me and Mosses,” a talk by Dick Rauh.**





# BOTANY





Do you have a desire to get closer to nature? Take a botany class and gain a deeper understanding of how plants connect us to the natural world. Botanical studies explore all aspects of plant growth and development, plant communities, and the role of plants in ecosystems. At the everyday level, botany can be your gateway to herbal healing, foraging for wild edibles, cross-cultural understanding, or just a deeper appreciation of nature's seasonal beauty.

## THE CERTIFICATE PROGRAM


The NYBG Botany Certificate Program is designed to deepen a student's scientific understanding of the plant kingdom. Engage in subjects such as native flora, ethnobotany, ecology, and botanical nomenclature. Courses 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 collection of more than 550,000 volumes, nearly 12,000 serial titles, and over 11 million archival documents.

During the course of the program, students will come to know plants: how they function, grow, develop, and reproduce; and learn to identify a wide array of plants by stems, leaves, flowers, and fruits.

### CERTIFICATE REQUIREMENTS


COURSE	CODE	HOURS*	PAGE
Plant Structure	BOT 315	24	13
Plant Physiology**	BOT 316 	21	—
Plant Diversity	BOT 317 	24	13
Dendrology: Woody Plant Identification	BOT 375	15	13
Herbaceous Plant Identification	BOT 376	15	13
<i>One of the four Native Flora courses:</i>			
Native Flora in Autumn**	BOT 331	—	—
Native Flora in Winter**	BOT 332	—	—
Native Flora in Spring	BOT 333	—	13
Native Flora in Summer	BOT 334	—	13
<i>Elective Credits</i> (See current electives below)		58	
<b>TOTAL REQUIRED HOURS</b>		<b>169</b>	

### ELECTIVES

COURSE	CODE	HOURS*	PAGE
Botanical Latin	GAR 360	10	12
Nature's Pharmacy	BOT 346	4	12
The Science of Tree Communication	BOT 385	6	12
Spring Mushrooms	BOT 330	6	12
Microscope Basics	BOT 398	6	13
Systematic Botany	BOT 432 	21	13
Evolution and the Tree of Life: Problem-Solving Through Life	BOT 390	3	12
Saving the Plants of the World	BOT 386	3	12
Forest Ecology	BOT 326	12	13
Grasses, Sedges, and Rushes	BOT 319	4	13
Morphology of Flowering Plants	BOT 431	16	13

\*Course hours do not include exam hours

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

 Courses with a prerequisite before you can register



*"I started taking NYBG classes out of curiosity and have been hooked ever since! After I graduated with a Botany Certificate, my wine business took off, and I am now a NYBG instructor myself. Attending NYBG classes—led by extremely knowledgeable teachers who also share their real-life experiences—is an eye-opening and life-changing experience, both on a personal and professional level."*

— TRÉMEUR ARBOR, 2018 Graduate  
Owner, winebotany.com

### QUESTIONS?

CONTACT PROGRAM COORDINATOR  
JAMIE BOYER, PH.D.,  
AT [JBOYER@NYBG.ORG](mailto:jboyer@nybg.org)





The Garden's world-renowned scientists use cutting-edge tools to discover and preserve Earth's botanical diversity. Share their insights and field experiences in far-flung locales, as they unlock the mysteries of exotic and local flora in these engaging sessions.

**NEW! EVOLUTION AND THE TREE OF LIFE: PROBLEM-SOLVING THROUGH TIME**

Over billions of years, life on Earth has evolved in all its marvelous diversity. In this talk and walk through the Haupt Conservatory and Pfizer Lab, Dr. Dennis Stevenson explains the Tree of Life (family tree of plants) and how its information is applied to contemporary problems in human endeavors. We will explore plant fossils and examine unique ways plants have adapted to environmental change. Then, in the laboratory, we will see how scientists use data to revise the Tree of Life and design genetic research.

Tuesday, 4/16, 10 am–1 pm  
Dennis Stevenson, Ph.D. | NYBG | 194BOT390

**NEW! SAVING THE PLANTS OF THE WORLD**

Never in human history have plant species been more endangered with extinction. Join Vice President for Conservation Strategy Brian Boom and discover the varied strategies NYBG scientists use to confront this urgent threat—from conservation genetics to documenting key areas of biodiversity worldwide. Learn how to use Garden Navigator to locate rare, threatened plant species conserved *ex situ* at NYBG, then journey into our Native Plant Garden to see them live. Visit the Steere Herbarium's lab to explore the tools used to help secure a place for plants suspected to be at risk on the influential IUCN Red List of Threatened Species.

Friday, 8/9, 10 am–1 pm | Brian Boom, Ph.D.  
NYBG | 201BOT386

Each section: \$75/\$85 *Certificate Elective*

**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.

5 Mondays, 3/11–4/8, 6:15–8:15 pm  
Jennifer Bakshi | Manhattan | 193GAR360B

5 Wednesdays, 9/25–10/30 (no class 10/9),  
10:30–12:30 pm  
Jennifer Bakshi | NYBG | 201GAR360A

\$255/\$279 *Certificate Elective*

**NATURE'S PHARMACY**

For centuries herbs and spices have been prized not just for their flavors, but as state-of-the-art medicine. Learn about a variety of plants historically used for first aid, to revitalize the immune system, and to treat and prevent asthma, insomnia, sinusitis, bronchitis, colds and flu, and much more. Join us—you'll be a much smarter shopper on your next visit to the health-food store! Please bring lunch.

Sunday, 3/3, 10 am–2:30 pm  
Andrea Candee | NYBG | 193BOT346B

Saturday, 9/21, 10 am–2:30 pm  
Amy Anthony | Manhattan | 201BOT346A

\$115/\$125 *Certificate Elective*

**THE SCIENCE OF TREE COMMUNICATION**

Trees may appear to be strong and silent, but they can "talk"—to one another, to other plants, and to animals and insects. Discover how trees communicate via chemical signals in the air (to warn each other of insect attacks), as well as through complex fungal networks underground to transfer nutrients and resources to one another (sometimes to assist sick trees).

2 Tuesdays, 4/2 & 4/9, 10 am–1 pm  
Steve Kutos | NYBG | 194BOT385A

2 Wednesdays, 5/8 & 5/15, 6–9 pm  
Steve Kutos | Manhattan | 194BOT385B

\$125/\$139 *Certificate Elective*

**WHAT'S THIS TREE ON MY BLOCK**

Did you know there are over 200 tree species growing on the streets of Manhattan? Learn to distinguish among the five most common genera and pinpoint particular species in this quick intro to tree identification. If you have mystery trees in your neighborhood, bring photos and we'll identify them together. We'll spend some time outdoors too, so dress for the weather.

Saturday, 4/6, 2–4 pm  
James Kaechele | Manhattan | 194BOT223

\$59/\$65

**SPRING MUSHROOMS**

As the mushroom season awakens, discover how and where to hunt for Oysters, Inky Caps, Wine Caps, Dryad's Saddle, Reishi, and the early spring Chicken Mushroom. Even the elusive Morels occur throughout the metropolitan region, and spring is the ideal time to find them. Learn to correctly identify mushrooms, how to differentiate them from look-alikes, and get recipes for the best ways to prepare them in a meal.

2 Thursdays, 4/18 & 4/25, 10 am–1 pm  
Paul Sadowski | NYBG | 194BOT330A

2 Mondays, 4/29 & 5/6, 10 am–1 pm  
Paul Sadowski | Manhattan | 194BOT330B

\$145/\$159 *Certificate Elective*

**BASIC PLANT ID**

Are you a plant-lover eager to up your game and start distinguishing one species from another? Then this is the class for you! Using commonly known plants, you'll learn the terminology used to describe their growing habits and structures. This vocabulary will help you recognize and describe key differences in plant forms, from roots to fruits. We'll also cover basic botanical nomenclature.

2 Tuesdays, 6/18 & 6/25, 5–8 pm  
Katie Bronson | NYBG | 194BOT308B

Saturday, 7/27, 10 am–4 pm  
Elle Barnes | Manhattan | 201BOT308C

\$145/\$159



**NEW! MYCOREMEDIATION: CAN MUSHROOMS HELP HEAL THE PLANET?**

Discover how fungi are being used to degrade pollutants and clean up the environment by filtering water, removing heavy metals from soil, remediating microbes, and breaking down plastics. Mycologist John Michelotti will discuss current mycoremediation efforts around the world—including his own work in Ecuador. Pet owners will even learn to build a remediation bucket to treat bacteria in used kitty litter and other pet waste.

Saturday, 6/15, 10 am–1 pm  
John Michelotti | Manhattan | 194BOT298A

Tuesday, 7/23, 10 am–1 pm  
John Michelotti | NYBG | 201BOT298B

\$75/\$85

**NEW! MICROSCOPE BASICS**

It takes some finesse, but we can help you build your confidence and ability with microscopes to view a variety of fungi and plant material. We'll show you how to adjust and calibrate the eyepiece, focus on both thick and thin specimens, and properly light your subject. You'll also learn to thinly slice, stain, and make permanent mounts so you can create your very own slide library.

2 Wednesdays, 5/22 & 5/29, 10 am–1 pm  
Paul Sadowski | NYBG | 194BOT398A

2 Thursdays, 7/18 & 7/25, 6–9 pm  
Paul Sadowski | Manhattan | 201BOT398B

\$145/\$159 *Certificate Elective*

**FOREST ECOLOGY**

Explore the basic principles that influence the ecological relationships of the forest ecosystem. Using the Garden grounds as a site for observation and field study, learn to understand the forces that shape our natural environment—the Northeast Woodland. Labs and lectures provide an experience that expands your skills for the stewardship of plants. Dress for the weather.

4 Wednesdays, 8/28–9/25 (no class 9/4),  
5:30–8:30 pm  
Elle Barnes | NYBG | 201BOT326

\$295/\$325 *Certificate Elective*

**GRASSES, SEDGES, AND RUSHES**

This group of plants challenges even trained botanists, but with expert guidance, you can learn how to identify wild native grasses and some of the more popular landscaping ones. Sedges (Cyperaceae) and rushes (Juncaceae), often confused with grasses (Poaceae), are included. Please bring lunch and dress for the weather.

Sunday, 9/22, 10 am–2:30 pm  
Regina Alvarez | NYBG | 201BOT319

\$89/\$95 *Certificate Elective*

**SYSTEMATIC BOTANY**

Survey the major families of the angiosperms (flowering plants) and learn the characteristics and principles used to classify them. This course covers newly recognized higher order groupings of species, evolutionary trends in reproductive and vegetative structures, and recently reconstructed evolutionary histories (phylogenies) of plants. **Prerequisite:** *Plant Diversity*

8 Tuesdays, 9/3–10/22 (no class 9/24), 12:30–3:30 pm  
TBA | NYBG | 201BOT432S

\$495/\$545 *Certificate Elective*

Exam on last class date

Illustration: Stink Plant (detail), ©Betsy Rogers-Knox, NYBG Instructor

**HERBACEOUS PLANT IDENTIFICATION**

Herbaceous plants occupy prairies, wetlands, forest understories, and many other habitats. The identifying characteristics of this diverse group of plants are often quite different from those of woody plants. You'll learn the fundamental herbaceous plant identification characteristics, as well as some specialized ones for select native and cultivated species. Focus will be on broad-leaved plants rather than grasses, sedges, and rushes.

6 Tuesdays, 5/7–6/11 (no class 5/14), 5–8 pm  
Michael Hagen | NYBG | 194BOT376

\$355/\$395 *Certificate Requirement*

**MORPHOLOGY OF FLOWERING PLANTS**

Angiosperms (flowering plants) are the dominant plants in most of the world's habitats today. Through laboratory demonstrations and dissections, examine the morphology of flowers, fruits, and vegetative plant parts. You'll also learn about the development of these structures. **Prerequisite:** *Plant Structure*

6 Fridays, 5/17–6/28 (no class 5/31),  
10 am–1:10 pm  
TBA | NYBG | 194BOT431S

\$395/\$435 *Certificate Elective*

**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. Learn about basic plant structure and taxonomy. You'll also make your own plant collections. You may borrow a herbarium press (\$30 deposit required). Please bring sunscreen.

4 Fridays, 6/21–7/19 (no class 7/5), 10 am–1 pm  
Nancy Slowik | NYBG | 194BOT334

\$295/\$325 *Certificate Requirement*





# URBAN NATURALIST

“What a truly rewarding class and field experience! I learned so much about the incredible diversity of plants on our beloved little planet. I have never in my life seen so many different birds or experienced such deep appreciation for them.”

— JACK BURKHALTER, Urban Naturalist student

## THE CERTIFICATE PROGRAM

The NYBG Urban Naturalist Certificate Program equips you with the observation, identification, and documentation skills you need to become an effective environmental steward. Using NYBG grounds and select New York City Parks, you will learn to keenly observe the natural world, create scientifically useful records of your observations, and investigate the interrelationships between species. NYBG Urban Naturalists work as environmental educators, help manage invasive species in local parks, and volunteer with our EcoFlora project to help document NYC plant species.

## FIELD STUDY PROJECT

In order to receive a Certificate, you must complete an in-depth study of a natural site of your choosing based on observations made there over many months that includes 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 in the Registration Office.

## QUESTIONS?

CONTACT PROGRAM COORDINATOR  
NANCY SLOWIK  
AT [NATCOORDINATOR@NYBG.ORG](mailto:NATCOORDINATOR@NYBG.ORG)

## CERTIFICATE REQUIREMENTS


COURSE	CODE	HOURS	PAGE
Introduction to Natural History	NAT 300	12	15
Natural History of Birds**	NAT 321	12	—
Natural History of Insects	NAT 322	9	15
Urban Ecology Field Study Workshop	NAT 323	9	15
<i>Two of the four Native Flora courses:</i>		24	15
Native Flora in Autumn**	BOT 331	—	—
Native Flora in Winter**	BOT 332	—	—
Native Flora in Spring	BOT 333	15	15
Native Flora in Summer	BOT 334	15	15
<i>Elective Credits</i>		30	
<b>TOTAL REQUIRED HOURS</b>		<b>96</b>	

## ELECTIVES

COURSE	CODE	HOURS	PAGE
Field Sketching	NAT 400	6	15
Watching Butterfly Wings: Identification and Appreciation	NAT 415	9	15

All Botany courses (pages 12–13) count toward the 30 required elective hours.

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

 Courses with a prerequisite before you can register

## INTRODUCTION TO NATURAL HISTORY

Naturalists are keen observers of the world around them and have played an integral role in the evolution of scientific thought. Now you can be one too! Learn how to identify plants and animals using a 10x hand lens, dichotomous keys, and field guides. We'll discuss ecological processes and how they are impacted by the urban environment. Significant time will be spent on outside, including tagging monarch butterflies in Marine Park, Brooklyn. Novices and seasoned nature-lovers alike are welcome!

4 Wednesdays, 4/10–4/24, (Rain date 5/1),  
10 am–1 pm  
Karla Risdon-Nugent | NYBG & Pelham Bay Park  
194NAT300A

4 Wednesdays, 6/18–7/16, (Rain date 7/23), 6–9 pm  
Gabriel Willow | Manhattan & Central Park  
194NAT300B

\$295/\$325 *Certificate Requirement*

## NATIVE FLORA IN SPRING

Our native wildflowers, trees, and shrubs signal rebirth in spring. Learn to identify them and become familiar with their structure and taxonomy. Take part in field walks and classroom sessions, and practice using taxonomic keys. Students are required to make their own collections of plants and may borrow a herbarium press (\$30 deposit required).

4 Fridays, 4/12–5/10 (no class 4/19), 10 am–1 pm  
Nancy Slowik | NYBG | 194BOT333

\$295/\$325 *Certificate Requirement*

## NEW! NATURAL HISTORY OF INSECTS


Delve into the fascinating world of the creatures that make up 84% of the Animal Kingdom—what renowned biologist E.O. Wilson once called “the little things that run the world.” We'll discuss the roles that insects play—both in maintaining healthy ecosystems as well as their own complex social systems. Explore the wonder of metamorphosis and the amazing variety of defensive strategies and adaptations they have developed to survive. We will also spend ample time in the field observing insects and learning to identify them.

3 Thursdays, 5/16–5/30 (Rain date 6/6),  
10 am–1 pm  
Ken Chaya | NYBG & Central Park | 194NAT322

\$225/\$245 *Certificate Requirement*

## NEW! URBAN ECOLOGY FIELD STUDY

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 while walking along trails in the Garden. Explore the biodiversity within your chosen study patch and incorporate methods for assessing vegetation, animal life, and habitats. You will prepare a report based on data collected and presented in class, which will become part of your final project.

 Prerequisite: *Introduction to Natural History*

3 Wednesdays, 6/5–6/19 (Rain date 6/26),  
10 am–1 pm  
Nancy Slowik | NYBG & Central Park | 194NAT323

\$225/\$245 *Certificate Requirement*

## FIELD SKETCHING

Take your naturalist game to the next level by learning how to sketch. Drawing asks you to slow down and closely observe what you see, which helps you identify unfamiliar species and investigate ecological connections. Botanical artist and avid birder Frank Guida will show you tips and tricks to accurately capture nature's important details. *No previous drawing experience required.*

2 Sundays, 5/19 & 6/9 (Rain date 6/23), 10 am–1 pm  
Frank Guida | NYBG | 194NAT400

\$145/\$159 *Certificate Elective*

## NEW! WATCHING BUTTERFLY WINGS: IDENTIFICATION AND APPRECIATION

What do you see when looking at a butterfly? How do you describe its appearance and make sense of its daily habits and behavior? Where do you go to find interesting or unusual species? And once you have identified a butterfly species, what else should you take time to notice? Celebrated author and butterfly expert Rick Cech helps participants develop field observation and ID skills that enrich their technical ability and appreciation of the lepidopteran world.

3 Thursdays, 6/13–6/27, 10 am–1 pm  
Rick Cech | NYBG | 194NAT415

\$295/\$325 *Certificate Elective*

## 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. Learn about basic plant structure and taxonomy. You'll also make your own plant collections. You may borrow a herbarium press (\$30 deposit required). Please bring sunscreen.

4 Fridays, 6/21–7/19 (no class 7/5), 10 am–1 pm  
Nancy Slowik | NYBG | 194BOT334

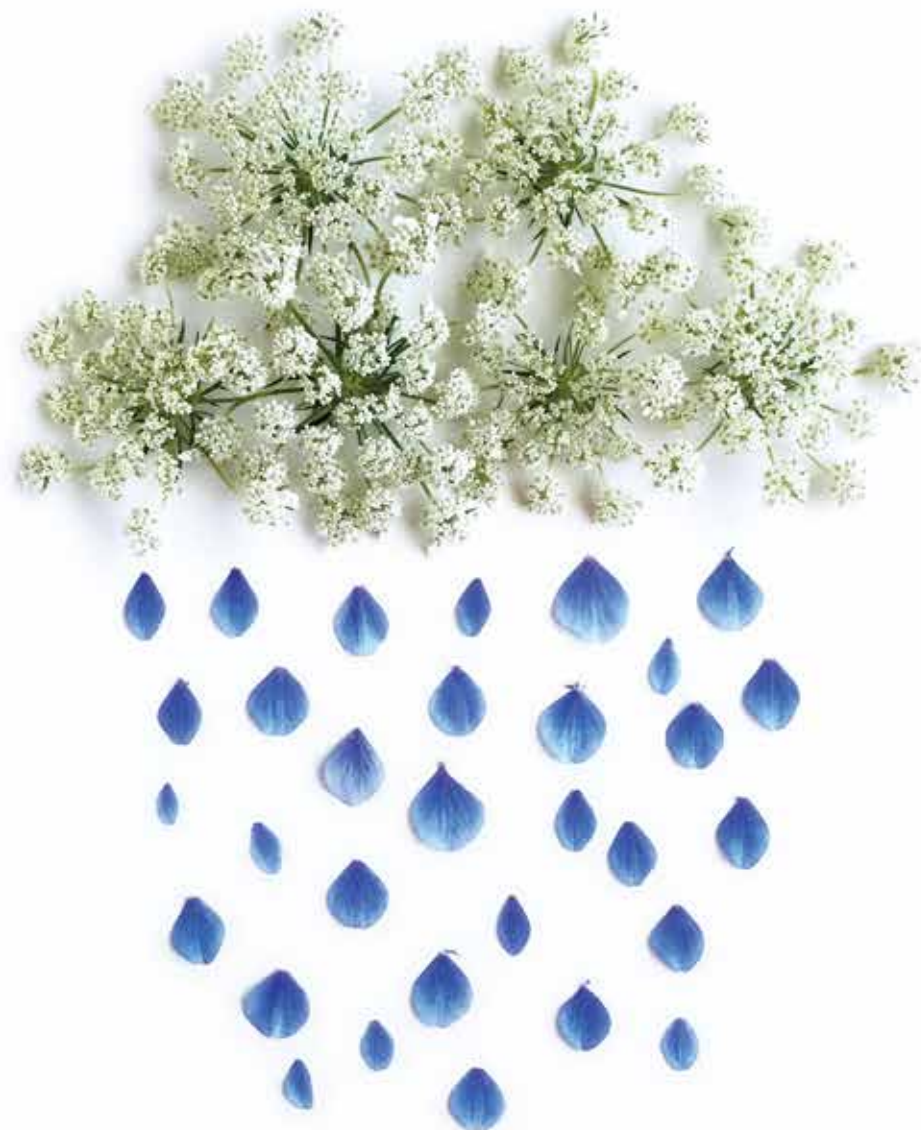
\$295/\$325 *Certificate Requirement*



# CRAFTS & DIY

*Let Mother Nature be your muse!*

*We make it easy—all materials are included!*



## MUSHROOM PAPERMAKING

Use bracket fungi to create beautiful, earth-toned sheets of paper under the expert guidance of mycologist Dorothy Smullen. This hands-on class will walk you step-by-step through the papermaking process, and introduce you to the many different mushrooms you can use for a variety of hues. Your friends will be Instagramming your thank you cards in no time.

Saturday, 4/6, 11 am–2:30 pm  
Dorothy Smullen | NYBG | 194CRF130

\$79/\$85

## PAPER PEONIES WITH LIVIA CETTI

Livia Cetti—the celebrated artist who “makes paper bloom” (*The New Yorker*)—returns to the Garden to show you how to create a three-dimensional blossom from hand-dyed crepe paper and tissue paper to make beautiful creations. You will fashion a high-style peony, from stem to stamen by cutting and shaping your paper into petals that you will assemble using wire and floral tape. You’ll take home an exquisite, lifelike flower that will brighten your home regardless of the season.

Wednesday, 4/10, 10 am–1 pm  
Livia Cetti | NYBG | 194CRF250

\$149/\$165

## LAVENDER WREATH

In this popular wreath-making class, explore the best techniques for lavender harvesting, drying, and arranging. You will weave the base of your wreath using wild vines, then attach bundles of blue lavender and other aromatic herbs, such as lemon leaf, bay, rosemary, artemisia, and roses. Your finished wreath will make a great addition to any home.

Sunday, 4/14, 11 am–1:30 pm  
Diana Conklin | NYBG | 194CRF150

\$115/\$125

## NEW! FLORAL CROWNS

Simple yet elegant—floral crowns evoke nature and romance. Far from being a hippie throwback, they remain trendy for summer music festivals, parties, and even Parisian runways (check out Rodarte’s spring 2018 show!). Join us for a lively workshop in which you fashion your own crown using seasonal blooms and fresh foliage. You’ll add textural elements for your own unique flair.

Monday, 4/15, 10 am–12 pm  
Nsombi Woodson | NYBG | 194CRF184A

Monday, 6/17, 6:30–8:30 pm  
Nsombi Woodson | Manhattan | 194CRF184B

\$125/\$139

## NEW! FLORALIA: DYEING WITH FLOWERS

Uncover the hidden and powerful color properties of flowers, as well as the history and basics of dyeing with plants by using different flowers to create tones from yellow and orange to pink and purple. Each participant will receive one silk scarf to dye during the workshop.

Friday, 5/31, 2–5 pm  
Maria Elena Pombo | NYBG | 194CRF274

\$115/\$125



Make a living fashion statement!



Have fun while dabbling in watercolor.



Create patterned tea towels with rich indigo.

## GIRLS' NIGHT OUT: SPRING WILDFLOWERS

Gather your friends, sisters, or mom for a night of fun at our Midtown Center. Get creative as you put together your own professional-looking floral arrangement while enjoying hors d'oeuvres, music, and the company of other women. One part class, one part party, Girls' Night Out is a wonderful way to unwind while learning something new.

Wednesday, 5/1, 6:30–8:30 pm  
Jordan Chapelle | Manhattan | 194CRF170A

Thursday, 6/27, 6:30–8:30 pm  
Jordan Chapelle | Manhattan | 194CRF170B

\$129/\$139

## BOTANICAL BLUES: CYANOTYPE

Harness sunlight to create dreamlike botanical images in rich blues. Pioneered in the 1840s, cyanotype is a type of photography that doesn't use a camera. Under the expert guidance of artist William Waitzman, you will make 4–6 prints, while exploring the best ways to prep your paper with light-sensitive chemicals and compose your image using pressed plants.

Saturday, 5/18 (rain date 5/19), 10:30 am–3 pm  
William Waitzman | NYBG | 194CRF128A

Saturday, 7/13 (rain date 7/14), 10:30 am–3 pm  
William Waitzman | NYBG | 201CRF128B

\$139/\$155

## NEW! BOTANICAL BRACELETS

Why restrict flowers to a vase or succulents to a pot? The new trend is to “wear” them! Create unique necklaces, earrings, bracelets, or pins—while learning simple techniques you can apply to many projects.

Wednesday, 5/15, 11 am–2 pm  
Renee Marsh | NYBG | 194CRF255A

Wednesday, 8/7, 11 am–2 pm  
Renee Marsh | Manhattan | 201CRF255B

\$95/\$105

## LIVING DÉCOR: TERRARIUMS WITH AIR PLANTS & ORCHIDS

Create a mini rain forest with air plants and orchids in an open, lantern-style terrarium. Maria Colletti, author of *Terrariums: Gardens Under Glass*, will guide you as you design your own. She'll also provide instruction on the care and maintenance of your miniature plant world.

Tuesday, 5/21, 6:30–8:30 pm  
Maria Colletti | Manhattan | 194CRF167

\$115/\$125

## NEW! LANDSCAPE DRAWING EN PLEIN AIR

Channel your inner Monet while you spend a morning drawing in the Garden! Botanical artist Frank Guida covers basic design principles, including focal point, contrast, perspective, line, and gesture, as well as how to choose a subject that translates well on the page. Then, you will go out on grounds to practice what you've learned. Beginners and experienced artists alike will receive individual guidance to hone their skills.

Thursday, 6/6 (Rain date: 6/7), 10 am–2 pm  
Frank Guida | NYBG | 194CRF198

\$95/\$105

## NEW! WATERCOLOR BASICS

You loved her recent *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 cut flowers as your subject, you will 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!

Tuesday, 6/11, 6:30–8:30 pm  
Jenny Kroik | Manhattan | 194CRF277A

Saturday, 7/20, 12–2 pm  
Jenny Kroik | NYBG | 201CRF277B

\$95/\$105

## INDIGO DYE WORKSHOP

Create a vibrant pair of tea towels by dyeing them in alluring, ancient indigo! You'll experiment with several different ways to create patterns using traditional Japanese shibori techniques. Textile artist Molly George will also show you just how easy it is to create an organic indigo vat with only three natural ingredients so you can continue the fun at home!

Thursday, 7/18, 6–9 pm  
Molly George | Manhattan | 201CRF164A

Saturday, 9/21, 12–3 pm  
Molly George | NYBG | 201CRF164B

\$115/\$125



## NEW! GELATIN PRINTING: PRESERVING PLANT SPECIMENS

Lillian Melcher, whose breathtaking illustrations grace the pages of *The Adventures of Alexander von Humboldt*, discusses how the explorers of old recorded the botanical specimens they found while fording river rapids and climbing mountain tops! Then you will experiment with color and layering using a similar, rewarding technique to make extremely detailed impressions of leaves and flowers from the Garden. Go home with an exquisite record of your visit to NYBG.

Saturday, 4/20, 10 am–1 pm  
Lillian Melcher | NYBG | 194CRF134

\$95/\$105

# 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. With hands-on practice and with personal attention from NYBG's rigorous yet nurturing instructors, you'll develop the mastery and confidence to express yourself through flowers. So come take a class with us at the Garden or our Midtown Education Center! Choose an individual course for fun, or pursue a Certificate in Floral Design.

## THE CERTIFICATE PROGRAM

The NYBG Certificate Program helps you develop your own aesthetic and master the mechanics for everything from simple bouquets to grand-scale arrangements, while giving you a practical, real-world business foundation.

During the course of the program, students will:

- Create more than 40 original floral designs for all occasions, including weddings, parties, and holidays.
- Gain a solid grounding in color theory and an understanding of historical and contemporary floral styles.
- Develop skills needed to build or sustain a thriving floral business: retail ordering, cost analysis, scheduling, project management, marketing, client relationships, and managing personnel.



## SUMMER INTENSIVE PROGRAM | July 8–August 9

In just five weeks, you can complete all classroom credits toward the NYBG Certificate, so you can get started on your internship requirement ASAP. Working one-on-one with floral design professionals, you'll create dozens of arrangements in diverse styles for many different occasions. This concentrated program focuses on real-world situations, and includes a trip to New York's flower district. Let this be the summer you jump-start your career in Floral Design!

### 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 | Shopping the New York Flower Market | Practical Planning for Designers  
 Grand-Scale Arrangements | Event Planning for the Floral Designer | Four Specialty Electives

Monday–Friday, July 8–August 9, 10 am–5 pm | NYBG | 201FDN950

### TUITION AND REFUNDS

\$6,435 (Member) / \$7,079 (Non-Member)

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

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

An optional payment schedule is available if requested. \$1,995 is due at registration, 2nd payment due May 20, final payment June 17. No refunds after Monday, June 17, 2019.

Questions about the Intensive? Call 718.817.8747 or email: [adulted@nybg.org](mailto:adulted@nybg.org)



*“Two years ago, with a stressful job and busy life, I decided to relax with a NYBG flower arrangement class. I enjoyed it so much, I took another, and another. Now I have my Floral Design Certificate and I’m ready to offer my own floral class to share the joy with others. Thank you NYBG for the wonderful teachers, great classes, and a fabulous experience that opened a new window to my fun career.”*

— EMMA MELENDEZ, 2017 Graduate  
 Owner, EmmaFlowerFun Studio










**GET NYBG  
 CERTIFIED**

Founded in 1977, 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. Along with comprehensive hands-on instruction from industry pros, you'll develop the contacts and business savvy you need to advance your career or manage your own business.


**QUESTIONS? CONTACT PROGRAM  
 COORDINATOR TOM CAWLEY  
 AT [FDNCOORDINATOR@NYBG.ORG](mailto:FDNCOORDINATOR@NYBG.ORG)**

**CERTIFICATE REQUIREMENTS**

COURSE	CODE	HOURS	PAGE
Fundamentals of Form	FDN 300	16	22
Fundamentals of Style	FDN 302 	16	22
Wedding Design I: Personals	FDN 304 	16	23
Color Theory for Floral Design	FDN 306	8	23
Flower ID from A to Z	FDN 308	8	23
Interior Plantscapes	FDN 310	8	23
Shopping the New York Flower Market	FDN 400 	4	23
Modern Sympathy Designs	FDN 382 	6	23
Wedding Design II: Ceremony & Reception	FDN 305 	16	23
Grand-Scale Arrangements	FDN 502 	8	23
Event Planning for the Floral Designer	FDN 504 	12	23
<i>Elective courses</i>			24
<b>TOTAL REQUIRED HOURS</b>			<b>142</b>

**ELECTIVES**

COURSE	CODE	HOURS	PAGE
Photostyling: Building Your Brand on Social Media	FDN 369	6	20
Monstera: The Leaf of the Moment	FDN 388	4	21
Sculptural Headpieces	FDN 316	3	21
Exploring Tablescape: Floral Runners	FDN 362	4	21
Ikebana: A Comprehensive Approach	FDN 325	9	21
Floral Armature Techniques	FDN 341	3	21
Farmhouse Elegance Tablescape	FDN 319	4	21
Clustered Glass Containers: Artfully-Crafted Floral Design	FDN 386	4	21
Nature-Inspired Design with Amy Merrick	FDN 428	3	21
Outdoor, Site Specific Installations	FDN 393	5	23
Tulipina: Kiana's Signature Style	FDN 431	6	22
Tulipina: Seasonal, Monochromatic Designs	FDN 443	6	22

 Courses with a prerequisite before you can register

The Floral Design Certificate Program is an accredited Education Partner of the American Institute of Floral Designers (AIFD). See p. 55 for details.



**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 European-style displays in your grocery store, learn how to design and create your own elegant arrangements. \$45 materials fee.

Thursday, 3/21, 6–8 pm  
Rose G. Edinger | Manhattan | 193FDN210H

Wednesday, 4/24, 6–8 pm  
Jordan Chapelle | Manhattan | 194FDN210A

Tuesday, 6/25, 6–8 pm  
Rose G. Edinger | Manhattan | 194FDN210B

Wednesday, 8/7, 6–8 pm  
Nsombi Woodson | Manhattan | 201FDN210C

Monday, 9/16, 6–8 pm  
Rose G. Edinger | Manhattan | 201FDN210D

\$49/\$55

**PHOTOSTYLING: BUILDING YOUR BRAND ON SOCIAL MEDIA**

Garnering thousands of likes on Instagram generates buzz around your business. But do you know what and when to post? Learn to design a simple arrangement, then consciously frame and edit photos you take from your phone. In the first class, we'll focus on how to create a social media identity, choose hashtags to drive followers, and use third party apps to stylize your photos and schedule your posts. In the 2nd class, we'll create an arrangement to practice styling and shooting. \$70 materials fee.

2 Wednesdays, 3/13 & 3/20, 10:30 am–1:30 pm  
Bridget Vizoso | Manhattan | 193FDN369B

\$179/\$195 *Certificate Elective*

**SIMPLE AND SLEEK FLORAL DESIGN IDEAS**

Fifteen minutes is all it takes for a stylish arrangement that will transform your table! Working with a variety of seasonal flowers, you'll learn how to execute simple yet impactful designs that are versatile, sophisticated, and eco-friendly. Take home one finished arrangement—and plenty of easy design ideas. \$45 materials fee.

Tuesday, 3/26, 11 am–1 pm  
Bridget Vizoso | NYBG | 193FDN203D

Wednesday, 5/1, 11 am–1 pm  
Rose G. Edinger | NYBG | 194FDN203A

Monday, 6/10, 6–8 pm  
Nsombi Woodson | Manhattan | 194FDN203B

Monday, 7/8, 6–8 pm  
Rose G. Edinger | Manhattan | 201FDN203C

\$49/\$55

**NEW! FARMHOUSE ELEGANCE TABLESCAPE**

Learn to craft the ultimate farmhouse table in an artful blend of vintage and modern, rustic and refined. Locally sourced peonies, wildflowers, fresh herbs, and flowering cherry branches take center stage, displayed in farm-inspired metal and glass containers bursting with springtime meadow charm. You'll fashion an elegant design, grouping blossoms, wildflowers, herbs, and botanicals with the latest in tablecloth, napkin, and candle styling. Then photograph your farmhouse table for portfolio and social media before leaving with your fresh-from-the-farm and trending floral arrangement. \$95 materials fee.

Tuesday, 4/2, 10:30 am–3 pm  
Trish O'Sullivan | NYBG | 194FDN319

\$149/\$165 *Certificate Elective*

**NEW! MONSTERA: LEAF OF THE MOMENT**

Make a statement using tropical foliage such as monstera, smilax, and bird's nest fern. Jordan Chapelle, formerly Senior Visual Designer at Ovando, shows you how to let the bold leaf shapes guide your design. Discover many techniques to make a strong visual impact without relying primarily on flowers and take home a tropical arrangement of the moment. \$100 materials fee.

Wednesday, 5/22, 11 am–3 pm  
Jordan Chapelle | NYBG | 194FDN388

\$135/\$149 *Certificate Elective*

**SCULPTURAL HEADPIECES**

Joshua Werber's playful headpieces are certain to delight, as his many followers on Instagram readily attest. In this special workshop, Joshua will discuss how to use botanical materials to design headpieces that evoke a wide variety of emotions.



Learn the basic mechanics needed to create unique forms, while experimenting with making a bold statement of your own. You'll have a wide variety of plant material to choose from as you create, all while drawing inspiration from Josh's lush aesthetic and sculptural approach to flowers. \$85 materials fee.

Friday, 4/26, 10 am–1 pm  
Joshua Werber | NYBG | 194FDN316

\$135/\$149 *Certificate Elective*

**FLORAL ARMATURE TECHNIQUES**

Creative, imaginative, and sometimes even gravity defying, armatures are the key to many simple yet spectacular designs. Learn the basic techniques to construct compelling frameworks from natural and man-made materials. You'll get inspired to create dramatic armature designs with masterful techniques. \$100 materials fee.

Wednesday, 4/10, 6–9 pm  
Claire Won Kang | Manhattan | 194FDN341

\$135/\$149 *Certificate Elective*

**NEW! CLUSTERED GLASS CONTAINERS: ARTFULLY-CRAFTED FLORAL DESIGN**

From chic weddings to intimate dinner parties, artfully-presented groupings of bouquets in eclectic glass containers are a popular look. Garden roses, ranunculus, calla lilies, green moss dianthus, Queen Anne's lace, fragrant ginestra, and hypericum berries arranged in simple vignettes will showcase your personal expression of color and composition. You will take home three beautiful floral displays of your own design. Material fee \$95.

Thursday, 5/2, 10:30 am–3 pm  
Trish O'Sullivan | NYBG | 194FDN386

\$149/\$165 *Certificate Elective*

**EXPLORING TABLESCAPES: FLORAL RUNNERS**

Tabletop garlands and floral runners are enjoying a surge in popularity thanks to their lush and elegant beauty. Learn the techniques of color, repetition, and rhythm to create a centerpiece that spans the length of the wedding table, cleverly designed in segments for easy transport. Students will leave with their own garland creation. \$90 materials fee.

Monday, 6/3, 10 am–2:30 pm  
Nsombi Woodson | NYBG | 194FDN362

\$115/\$125 *Certificate Elective*

**IKEBANA: A COMPREHENSIVE APPROACH**

This ancient Japanese art form seeks to create a living sculpture that transcends the beauty of nature. More than merely arranging flowers, ikebana often emphasizes other areas of the plant, such as its stems and leaves, focusing on shape, line, harmony, and balance. Instructor Junko Miura, acclaimed floral artist and a second-generation ikebana master, guides you through the basic principles as well as the moribana and nageire forms. \$180 materials fee. Please bring wire cutters to class.

3 Thursdays, 6/13–6/27, 11 am–2 pm  
Junko Miura | NYBG | 194FDN325

\$235/\$279 *Certificate Elective*

*The Cutting Edge*

A Floral Design Series

**Work closely with a trending floral designer whose unique ideas and approaches are bringing new energy to contemporary design.**



**NATURE-INSPIRED DESIGN WITH AMY MERRICK**

"Color, proportion, and texture are as important in flowers as in fashion. I like a natural, unfussy look," says Amy Merrick, who's redefining the art of floral design and botanical styling in high-profile photo shoots, windows, publications and events from Japan to New York.

This half-day workshop reflects Amy's signature aesthetic of artfully composed yet wonderfully untamed designs that juxtapose unexpected cuttings. Working with a range of locally sourced branches, blooms, stalks, herbs, fruits, and grasses, Amy will help you hone your personal style and creative vision into an arrangement that evokes the movement and textures found in nature.



Brooklyn-based designer/writer/stylist **Amy Merrick's** evocative creations, many with materials she's gathered from surrounding landscapes, have won her an international clientele and a fan base that includes a legion of Instagram followers. Her work

is botanically focused, and can be seen on many magazine covers and in national ad campaigns, while her nature-inspired writings appear in books, magazines and across the web.

Monday, 6/10, 10 am–1 pm  
NYBG | 194FDN428

\$245/\$269 *Certificate Elective*



# FOOD & DRINK

Create tasty treats from nature's bounty!  
Or explore the botany and horticulture behind the foods  
and beverages you consume.



## THE WONDERS OF AGAVE: TEQUILAS, RAICILLA, MEZCAL, AND SOTOLS

Agave have been harvested from the arid "desert forests" of Mexico for over 9,000 years. Today, the genus is best known for the production of mezcal, which can be made from dozens of species, many still wild harvested today. Join NYBG ethnobotanist (and bartender!) Brian Hockaday to explore the history, biology, and taxonomy of this fascinating clade, while tasting your way through the family tree! 21+

Wednesday, 3/13, 6–8 pm  
Brian Hockaday | Manhattan | 193CKG210  
\$79/\$85

## NEW! BOTANICAL MIXOLOGY 101

Historical bartenders and modern mixologists have long used a great variety of herbal and botanical ingredients to add flavor, body, and visual flair to drinks. Go beyond the garnish to explore the world of oleo-saccharums, infusions, simple syrups, and tinctures using plants and ingredients accessible to the urban gardener/drinker. You'll learn history, get growing advice, and master technique, and sample a variety of botanical ingredients to gain greater understanding of the palette of available flavors. Lastly, you'll top off the evening by making your own tincture to take home and perk up your cocktails!

Tuesday, 4/9, 6–9 pm  
Jim Freeman | Manhattan | 194CKG240A

Wednesday, 7/10, 6–9 pm  
Jim Freeman | Manhattan | 201CKG240B

\$79/\$85

## NEW! INTRODUCTION TO WINE TASTING

Taste and enjoy wine in a relaxed garden environment. After sampling and discussing an assortment of white and red wines, you'll have a better grasp of what it means for a wine to be called dry, tannic, fruit-forward, or acidic. We will also cover how different grape species, wine-making techniques, and the land itself influence how a specific wine tastes. No wine experience necessary! 21+

Sunday, 5/5, 2–4 pm  
Robert Brinkman | NYBG | 194CKG235A

Sunday, 6/23, 2–4 pm  
Robert Brinkman | NYBG | 194CKG235B

\$45/\$49

## HEALING SPIRITS: THE BOTANY OF APERITIFS AND DIGESTIFS

The centuries-old botanical history of aperitifs and digestifs, from Chartreuse to Fernet Branca, stems in part from a monastic quest to divine an "elixir of long life." Many cultures still commonly consume these herbal drinks, made of complex mixtures of plant material, for their unique flavor profiles and for their medicinal properties. As you taste selected aperitifs and digestifs, discover their botany and discuss the physiological impacts each have on human health. 21+

Thursday, 5/9, 6:30–8:30 pm  
Brian Hockaday | Manhattan | 194CKG203A

Thursday, 6/13, 6:30–8:30 pm  
Brian Hockaday | Manhattan | 194CKG203B

\$85/\$95

## NEW! ITALIAN BITTER GREENS SALAD

Explore how to make the perfect, palette-cleansing salad that also promotes good digestion. Nancy MacNamara will show you how to properly mix and dress a variety of bitter green, including baby escarole, radicchio, dandelion, castelfranco, and agretti—all fresh from Honey Locust Pharm House, her small-scale, organic farm. She'll discuss how to plant, propagate, maintain, and harvest these greens so you too can grow them! You'll take the salad mix and dressing home to enjoy.

Saturday, 5/11, 11 am–2 pm  
Nancy MacNamara | NYBG | 194CKG212

\$79/\$85

## GROW GOURMET MUSHROOMS INDOORS

Mushrooms have been utilized for thousands of years for medicinal and edible purposes. John Michelotti, owner of Catskill Fungi, will show you how to cultivate gourmet mushrooms at home using safe and simple techniques. Using cardboard and coffee grounds, create your own oyster mushroom starter (*Pleurotus ostreatus*) to take home, while learning about the life cycles, characteristics, and medicinal and culinary properties of fungi.

Wednesday, 6/5, 6:15–9:15 pm  
John Michelotti | Manhattan | 194CKG207A

Saturday, 9/14, 10 am–1 pm  
John Michelotti | NYBG | 201CKG207B

\$75/\$85

## NEW! SHRUBS: TASTY, TANGY BEVERAGES

Delight your summer 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. Drink it straight, mix it with mineral water, or use it to craft a new signature cocktail. Make a shrub to take home and walk away with recipes to keep creating!

Thursday, 6/20, 6:30–8:30 pm  
Cheryl Paswater | Manhattan | 194CKG244

\$69/\$75

## NEW! SEASONAL BERRY JAM

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

Saturday, 6/22, 11 am–2 pm  
Stephen Nocera | NYBG | 194CKG200

\$79/\$85

Illustration: A Portrait of an Heirloom Tomato, *Solanum lycopersicum*, ©Asuka Hishiki, NYBG Instructor

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)

## NEW! THE BASICS OF BLENDING TEA

There's more to blending tea than simply tossing herbs together. Nancy MacNamara—whose teas are a perennial favorite at NYBG's Farmers Market—will discuss the flavor profiles of various dried leaves, roots, barks, fruits, flowers, and berries, as well as how to combine these ingredients with a base of black, green, or herbal tea. You'll sample different brews before creating your own special blend to take home.

Saturday, 7/13, 11 am–2 pm  
Nancy MacNamara | NYBG | 201CKG219

\$79/\$85

## NEW! CANNING PEACHES

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

Saturday, 7/27, 11 am–2 pm  
Stephen Nocera | NYBG | 201CKG231

\$79/\$85

## BEEKEEPING BASICS

Expert beekeepers Frank Mortimer and Bob Slanzi walk you through the ins and outs of what's needed to safely, productively, and enjoyably begin to keep honeybees in a populated area. You'll learn how and why a beehive functions as one living organism, as well as the practicalities of how to manage a colony and begin to produce honey.

Saturday, 8/3, 10 am–1 pm  
Frank Mortimer & Bob Slanzi | NYBG | 201CKG206

\$55/\$59

## NEW! PICKLES, THREE WAYS

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

Saturday, 8/24, 11 am–2 pm  
Stephen Nocera | NYBG | 201CKG221

\$79/\$85



Make zesty treats from your garden's bounty.



Mix and match herbs to make your own tea blend.



Preserve a bit of summer for colder days.

## NEW! THE TOTAL TOMATO

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

Thursday, 9/12, 11 am–2 pm  
Stephen Nocera | NYBG | 201CKG226

\$79/\$85



# GARDENING



Today more and more people are realizing the physical, social, and psychological benefits of working with nature, and home and community gardening is a great way to make that connection. Whether you are new to gardening or already working in the field, NYBG's gardening classes are a great place to increase your 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. Lectures are supported by hands-on study on the Garden's historic grounds. Enroll in a class for fun or pursue a Certificate.

## THE CERTIFICATE PROGRAM

The NYBG Gardening Certificate Program covers sustainable gardening techniques, soil science, plant propagation, and garden care and design. Regional experts guide you through the art and science of plant selection and care for home or small-scale residential/urban/community gardens and greening projects. Certificate classes begin on page 28.

Upon completion of the 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 fruits.
- 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.



*"I started gardening more than 25 years ago with a little help from my friends. But essentially I have been a self-taught gardener. At NYBG's Gardening Program, I was able to refine my skills and immerse myself in the details—which, of course, makes all the difference. I am a much more skilled and educated gardener now, which is what I wanted to achieve in the program. So happy I joined in!"*

— DONNA M. DORIAN, 2018 Graduate  
Owner, Farnette Designs



## SUMMER INTENSIVE PROGRAM | July 8–July 26

Fast-track your NYBG Gardening Certificate this summer! In just three short weeks, you'll complete more than 40% of all course work required for the Certificate, giving you a solid base in the principles of environmentally sound gardening. Special electives and curator-led tours of various Garden collections combine the best of the classroom and real-world field exposure.

### THE CLASSES

Fundamentals of Gardening | Soil Science for Gardeners | Insect Identification and Management  
Plants for Landscaping | Container Gardening | Fundamentals of Garden Design  
Gardening with Native Plants

Monday–Friday, July 8–26 | 9 am–4 pm | NYBG | 201GAR950

### 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. \$635 is due at registration, 2nd payment due May 20, final payment June 17. No refunds after Monday, June 17, 2019.

Questions about the Intensive? Call 718.817.8747 or email: [adulter@nybg.org](mailto:adulter@nybg.org)

**QUESTIONS?** CONTACT PROGRAM  
COORDINATOR DARYL BEYERS AT  
[GARCOORDINATOR@NYBG.ORG](mailto:GARCOORDINATOR@NYBG.ORG)











# HORTICULTURE



Develop the vital skills needed to protect and manage landscapes, maintain healthy trees, design attractive gardens, and produce landscape plants. Many horticulture students start their own businesses or pursue rewarding careers in a breadth of areas, including landscaping companies, nurseries and garden centers, public parks, botanical gardens, and private estates. Enroll in a single class or pursue a Horticulture Certificate.

## THE CERTIFICATE PROGRAM

The NYBG Horticulture Program blends classroom theory with field studies in the Garden's historic landscape, teaching students how to form and care for healthy, sustainable landscapes. Courses are designed and taught by landscape professionals, botanists, and practicing horticulturists. The program offers a high standard of training in four areas of concentration:

### TRACK 1: PLANT PRODUCTION

Gain the skills to propagate and produce an array of native and non-native plants for nurseries, garden centers, and landscape restoration projects.

### TRACK 2: SUSTAINABLE LANDSCAPE MANAGEMENT

Understand landscape maintenance and management practices using the concept "right plant—right place" in residential and commercial landscapes.

### TRACK 3: ARBORICULTURE

Know how to grow, prune, care for, and manage trees in parks, residential sites, and urban environments.

### TRACK 4: SUSTAINABLE GARDEN DESIGN


Be able to design small-scale gardens for homes, communities, and private clients.

## CERTIFICATE REQUIREMENTS

COURSE	CODE	HOURS*	PAGES
<b>PLANT PRODUCTION—TRACK 1</b>			
Introduction to Plant Science	HRT 300	16	37
Soil Science I: Physical Properties	HRT 301	18	37
Soil Science II: Chemistry and Nutrition	HRT 302	18	37
Horticultural Techniques: Greenhouse Practices**	HRT 312	15	—
Insect Pests of Landscape Plants	HRT 381	18	38
Plant Propagation I: Basic Principles	HRT 411	18	39
Plant Propagation II: Applications**	HRT 412	17	—
Disease Identification & Management	HRT 481	18	39
Nursery and Greenhouse Management**	HRT 491	24	—
<b>TOTAL REQUIRED HOURS</b>		<b>162</b>	

\*Course hours do not include exam hours

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

 Courses with a prerequisite before you can register

For professional horticultural organizations, see p. 55.



*"A (very) amateur gardener for years, I decided to have a go at a career in horticulture, and enrolled in NYBG's Sustainable Garden Design Certificate Program. There I found a staff of working professionals who blend theory, their experiences, and an unrivaled outdoor classroom into a solid foundation for professional gardening. The program has equipped me well for both my work as an urban gardener in New York and as a designer with a taste for more rural settings. And every bit of it is fun."*

— TIM NOLAN, 2018 Graduate  
Lead Gardener, Folia Gardens



**GET NYBG  
CERTIFIED**

The increasing concern for environmental quality, conservation, and restoration is driving jobs in the horticulture industry—which will grow 18% in the next decade, according to the Bureau of Labor Statistics. In public parks and private gardens nationwide, demand continues for native, easily maintained landscapes. The NYBG Horticulture Certificate is a serious credential that helps professionals enhance their profile, as well as individuals exploring new green careers. It's a unique opportunity for rigorous study with landscape professionals and horticulture experts on the grounds of America's premier urban garden.

**QUESTIONS?** CONTACT PROGRAM  
COORDINATOR CHARLES YURGALEVITCH,  
PH.D., AT [HTRCOORDINATOR@NYBG.ORG](mailto:HTRCOORDINATOR@NYBG.ORG)

CERTIFICATE REQUIREMENTS (cont.)

Table with columns COURSE, CODE, HOURS\*, and PAGE. Includes Sustainable Landscape Management—Track 2 with courses like Introduction to Plant Science, Soil Science I: Physical Properties, and Horticultural Techniques: Landscape Gardening.

ARBORICULTURE—TRACK 3

Table with columns COURSE, CODE, HOURS\*, and PAGE. Includes Introduction to Plant Science, Soil Science I: Physical Properties, and Tree Climbing for Arborists.

SUSTAINABLE GARDEN DESIGN—TRACK 4

Table with columns COURSE, CODE, HOURS\*, and PAGE. Includes Introduction to Plant Science, Soil Science I: Physical Properties, and Landscape Plants: Broadleaved Evergreens\*\*.

\*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 horticultural organizations, see p. 55.

INTRODUCTION TO HYDROPONICS

Explore how to grow plants without soil using hydroponics, which promotes fast growth and requires less water and space than conventional gardens.

5 Tuesdays, 5/14–6/11, 6:15–8:15 pm
Maya Kutz & Kate Lodvikov | NYBG | 194HRT141
\$195/\$215

NEW! CUT FLOWER FARMING

Join the cut flower farming revolution! Discover the basics of how to design, plant, grow, and harvest a cutting garden that will be productive throughout the seasons.

2 Saturdays, 4/13 & 4/27, 11 am–2 pm
Anne Marie Breyer | NYBG | 194HRT142
\$135/\$149

PLANT COMMUNITIES WORKSHOP

Plants surround us in a profusion of forms. But in naturally occurring landscapes, these combinations are far from random, and are often dictated by complex factors, which limit or encourage the growth of particular plants.

2 Fridays, 7/19 & 7/26, 9 am–1:30 pm
Jessica Arcate Schuler | NYBG | 201HRT140
\$169/\$185



Illustration: American Goldfinch on a Sunflower, ©Sarah Wry, NYBG Instructor



CERTIFICATE CLASSES

These classes are also open to Non-Certificate students.

INTRODUCTION TO PLANT SCIENCE

ALL TRACKS
Designed for students who want a user-friendly introduction to plant science, this course surveys the major groups of plants—flowering plants, conifers, ferns, and bryophytes—focusing on plant form and structure.

7 Tuesdays, 3/26–5/7, 10 am–12:40 pm
Manny Grossman | NYBG | 193HRT300A

7 Saturdays, 4/13–6/8 (no class 4/20 & 5/25), 2–5 pm
Manny Grossman | NYBG | 194HRT300B

3 Mondays and 4 Thursdays, 5/6–5/30 (no class 5/27), 6–8:40 pm
Manny Grossman | Manhattan | 194HRT300C

4 Mondays and 3 Thursdays, 7/29–8/19, 6–8:40 pm
Manny Grossman | Manhattan | 201HRT300D

7 Saturdays, 9/14–11/2 (no class 10/12), 10 am–12:40 pm
Christopher Satch | Manhattan | 201HRT300E

7 Thursdays, 9/19–10/31, 10:30 am–1:10 pm
Anya Paltseva | NYBG | 201HRT300F
\$395/\$435

Exam on last class date

SOIL SCIENCE I: PHYSICAL PROPERTIES

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.

7 Thursdays, 3/14–4/25, 10:30 am–1:30 pm
Anya Paltseva | NYBG | 193HRT301D

7 Wednesdays, 6/12–7/31 (no class 7/3), 6–9 pm
Manny Grossman | Manhattan | 194HRT301A

7 Thursdays, 6/13–8/1 (no class 7/4), 10 am–1 pm
Manny Grossman | NYBG | 194HRT301B

7 Thursdays, 9/19–10/31, 2–5 pm
Anya Paltseva | NYBG | 201HRT301C
\$455/\$495

SOIL SCIENCE II: CHEMISTRY AND NUTRITION

TRACKS 1, 2, & 3
Learn how to nurture the soil so it can sustain your plants. Go beyond basic soil chemistry, by understanding the ionic exchange capacities of soil, as well as how a soil's pH affects what nutrients are available to plants.

7 Mondays, 4/1–5/13, 10 am–1 pm
Anya Paltseva | NYBG | 194HRT302
\$395/\$445

LANDSCAPE PLANTS: BULBS TRACK 4

This course is designed for horticulturists, gardeners, or designers who want to learn to identify and classify familiar and unusual spring-, summer-, and autumn-flowering bulbs. We will also focus on understanding their biology. Prerequisite: Introduction to Plant Science

7 Wednesdays, 3/13–4/24, 4–6 pm
Marta McDowell | NYBG | 193HRT342A

7 Thursdays, 3/14–5/2 (no class 4/11), 4:30–6:30 pm
Michael Hagen | NYBG | 193HRT342S
\$295/\$325

PLANTS FOR LANDSCAPING TRACK 4

Examine the use of plants in the landscape with an emphasis on choosing the right plant for the right place, based on site-specific design and maintenance criteria. Learn aspects of special landscape values such as size, texture, color, and flowering and fruiting seasons.

6 Saturdays, 3/30–5/11 (no class 4/20), 10 am–12:40 pm
Valerie D'Antonio | NYBG | 193HRT358C

6 Tuesdays, 5/14–6/18, 10 am–12:40 pm
Michael Ruggiero | New Canaan Nature Center, New Canaan CT | 194HRT358A

5 Saturdays, 6/1–6/29, 10:30 am–1:45 pm
Vincent Simeone | NYBG | 194HRT358B

6 Tuesdays, 9/17–10/29 (no class 10/8), 6:15–8:50 pm
Michael Ruggiero | NYBG | 201HRT358C

6 Fridays, 9/20–10/25, 10 am–12:40 pm
Valerie D'Antonio | NYBG | 201HRT358D
\$395/\$435

LANDSCAPE PLANTS: SPRING TREES AND SHRUBS TRACK 3 & 4

This course is also required for the Landscape Design Certificate.

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. The class goes out on the grounds rain or shine. Prerequisite: Introduction to Plant Science

5 Saturdays, 4/6–5/18 (no class 4/20 & 4/27), 11 am–2 pm
Vincent Simeone | NYBG | 194HRT334A

5 Wednesdays, 4/10–5/8, 10 am–1 pm
Michael Ruggiero | NYBG | 194HRT334B

5 Thursdays, 4/11–5/9, 1:30–4:30 pm
Michael Ruggiero | NYBG | 194HRT334C

5 Thursdays, 4/11–5/9, 5–8 pm
Michael Ruggiero | NYBG | 194HRT334D
\$295/\$325

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)



# 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

The NYBG Horticultural Therapy Certificate Program helps students begin or complement their careers through an in-depth exploration of skills and innovative methods using plants and the growing environment to heal and rehabilitate people. Taught by practicing horticultural therapists, this program trains students in the design, implementation, and operation of programs for individuals and groups in a wide 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.



*“Thinking of a possible second career, I enrolled in NYBG’s Horticultural Therapy Program. I loved that my instructors were practitioners in their fields. The assignments were stimulating, challenging and pulled everything together. I now provide my hort therapy services at a nursing home in New Rochelle and I’m excited about the many opportunities to apply what I’ve learned.”*

— JUNE HESLER, 2018 Graduate



## SUMMER INTENSIVE CLASSES | June 10–August 24

If you have a limited amount of time, yet are devoted to learning about Horticultural Therapy, then Summer Intensive Classes are for you! All required courses are offered in a condensed format, making it easier than ever to start the Certificate this season.

### Introduction to Horticultural Therapy

Monday, Wednesday & Friday, 6/10, 6/12 & 6/14,  
10 am–3:30 pm | 194THR301B

Monday, Wednesday & Friday, 7/15, 7/17 & 7/19,  
10 am–3:30 pm | 201THR301C

### Horticultural Therapy for Older Adults

Monday, Wednesday & Friday, 6/17, 6/19 & 6/21,  
10 am–3:30 pm | 194THR401

### Horticultural Therapy for Physical Rehabilitation

Monday, Wednesday & Friday, 6/24, 6/26 & 6/28,  
10 am–3:30 pm | 194THR403B

### Horticultural Therapy for Exceptional Youth

Monday, Wednesday & Friday, 7/8, 7/10 & 7/12,  
10 am–3:30 pm | 201THR402

### Activities Analysis for Horticultural Therapy

Saturdays, 7/13–7/27,  
10 am–3:30 pm | 201THR407

### Horticultural Therapy in Behavioral Health Settings

Monday, Wednesday & Friday, 7/22, 7/24 & 7/26,  
10 am–3:30 pm | 201THR404

### Horticultural Therapy Methods and Materials

Tuesday, Thursday & Saturday 7/30, 8/1 & 8/3,  
10 am–3:30 pm | 201THR406

### Garden Design for Special Populations

Fridays, 8/9–8/23,  
10 am–3:30 pm | 201THR408B

### Horticultural Therapy Program Management

3 Saturdays, 8/10–8/24,  
10 am–3:30 pm | 201THR409B

*Site visits are also scheduled in July and August. See class listings on page 43 for descriptions, instructors, and fees.*

## GET NYBG CERTIFIED

Given America’s green movement, aging demographics, and evolving approaches to health care, Horticultural Therapy is one of the real growth sectors in hospitals, rehabilitation centers, schools, prisons, and mental health programs. The NYBG Certificate in Horticultural Therapy is known nationwide as marking the completion of important initial training toward professional registration with the American Horticultural Therapy Association.

**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)

## CERTIFICATE REQUIREMENTS

Certificate students must complete 189 course hours (189 required + 8 site visit hours), plus a 100-hour internship. After completing a minimum of six courses, students should contact the Program Coordinator to arrange for their internship. To be considered for graduation on June 2, 2019, all internship documentation must be submitted to the Registration Office by May 10, 2019.

COURSE	CODE	HOURS	PAGE
Introduction to Horticultural Therapy	THR 301	15	42
Horticultural Therapy for Exceptional Youth	THR 402	15	43
Horticultural Therapy for Physical Rehabilitation	THR 403	15	42
Horticultural Therapy for Older Adults	THR 401	15	42
Fundamentals of Gardening	GAR 301	12	28
Horticultural Therapy in Behavioral Health Settings	THR 404	15	43
Horticultural Therapy Methods and Materials	THR 406	15	43
Activities Analysis for Horticultural Therapy	THR 407	15	43
Introduction to Plant Science	HRT 300	16	37
Plant Propagation I: Basic Principles	HRT 411	18	39
Garden Design for Special Populations	THR 408	15	43
Horticultural Therapy Program Management	THR 409	15	43
Horticultural Therapy Site Visits (see list below)		8	43
TOTAL REQUIRED HOURS		189	

SITE VISITS	CODE	HOURS	PAGE
NYU Langone Medical Center, Therapeutic Horticulture Services	THR 525	4	43
The HSNY's GreenHouse Program on Rikers Island	THR 537	6	43
Cardinal Cooke Health Center	THR 528	4	43
Good Samaritan Regional Medical Center: The Garden of Hope	THR 546	4	43
Bridge Medical Center	THR 531	4	43

Courses with a prerequisite before you can register



## COLLEGE CREDIT RECOMMENDATION

National College Credit Recommendation Service (NCCRS) recognizes the nine Horticultural Therapy courses to be the equivalent of college level instruction. In order to apply for one college credit hour per course, a passing grade of C or better is required. NYBG recommends you pass all 9 courses before applying for college credit, at which time you will pay a \$45 administrative fee to NYBG and a \$52 application & transcript fee to Excelsior. For more info, call the Registration Office at 718.817.8747.

The Horticultural Therapy Certificate Program is accredited by the American Horticultural Therapy Association (AHTA). Horticultural Therapy courses are eligible for college credit and can be applied toward voluntary Professional Registration through the AHTA. See page 55 for more information.

## INTRODUCTION TO HORT THERAPY

Explore the plant-people relationships and scientific research that are the foundations of horticultural therapy. Learn about current programs that utilize horticultural therapy and the benefits of using plants and plant-related activities to reach cognitive, physical, psychological, and social goals for a variety of populations. Engage in activities for disability awareness and the development of therapeutic skills. Resources for professional development and the professional registration process are covered.

3 Saturdays, 3/30–4/13, 10 am–3:30 pm  
Anne Meore, HTR | NYBG | 193THR301D

3 Saturdays, 6/1–6/15, 1 Saturday, 6/8 at NYBG, 10 am–3:30 pm  
Matthew Wichrowski, HTR | Manhattan | 194THR301A

Monday, Wednesday, & Friday, 6/10, 6/12, & 6/14, 10 am–3:30 pm  
Anne Meore, HTR | NYBG | 194THR301B

Monday, Wednesday, & Friday, 7/15, 7/17, & 7/19, 10 am–3:30 pm  
Anne Meore, HTR | NYBG | 201THR301C

3 Saturdays, 9/14–9/28, 10 am–3:30 pm  
Anne Meore, HTR | NYBG | 201THR301D

\$375/\$415

## HORT THERAPY FOR PHYSICAL REHABILITATION

Sharpen your clinical skills while learning how horticultural therapy is utilized in a physical rehabilitation setting. Explore the team treatment process and learn about the various conditions treated in this setting. Etiology, diagnosis, and psychosocial effects are covered. Learn the role of the horticultural therapist in the treatment process, including assessment, documentation, and development of goals and objectives. Review case studies and develop treatment plans. Prerequisite: *Introduction to Horticultural Therapy*

3 Saturdays, 5/4–5/18, 10 am–3:30 pm  
Matthew Wichrowski, HTR | NYBG | 194THR403A

Monday, Wednesday, & Friday, 6/24, 6/26, & 6/28, 10 am–3:30 pm  
Matthew Wichrowski, HTR | NYBG | 194THR403B

\$419/\$459

## HORT THERAPY FOR OLDER ADULTS

Older adults present an increasing need for therapeutic services. Learn about the physical, sensory, cognitive, psychological, and social aspects of aging and their implications for horticultural therapy programming. Explore how horticulture can be an important component in the various levels of geriatric care. Prerequisite: *Introduction to Horticultural Therapy*

Monday, Wednesday, & Friday, 6/17, 6/19, & 6/21, 10 am–3:30 pm  
Kathy Brechner, HTR | NYBG | 194THR401

\$395/\$435

# 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.**

*Introduction to Horticultural Therapy* is the prerequisite for all site visits. Please bring lunch.

## THE HORT SOCIETY OF NEW YORK'S GREENHOUSE PROGRAM ON RIKERS ISLAND

Hands-on healing and learning through horticulture takes place at The Hort's GreenHouse program on Rikers Island. Designed and built by individuals who are incarcerated and their instructors, the garden features a native woodland, nursery, and vegetable and herb gardens. HSNY's horticultural therapists will give an overview of the program, and then you will spend the rest of the morning with participants at the GreenHouse.

Thursday, 3/7, 6:30 am–1 pm  
Hilda Krus, HTR | Off site | 193THR537B

Wednesday, 7/31, 6:30 am–1 pm  
Hilda Krus, HTR | Off site | 201THR537A

\$135/\$149

## CARDINAL COOKE HEALTH CENTER

Visit a 720-bed chronic and long-term care facility that serves geriatric patients, patients with AIDS, Alzheimer's disease, dementia, Huntington's disease, and patients on short-term rehabilitation. Students will accompany the horticultural therapist on rounds to a variety of units. Lunch is available on-site. Travel directions are mailed with your confirmation letter.

Tuesday, 3/19, 10:30 am–2:30 pm  
Donna Arabian, HTR | Off site | 193THR528

\$135/\$149

## HORT THERAPY FOR EXCEPTIONAL YOUTH

Children and adolescents with special needs are the focus of this course. Gain an understanding of the causes and characteristics of various developmental, sensory, physical, behavioral, and learning disabilities. Learn to implement horticultural therapy for a wide variety of goals in programs for preschool-through high school-aged students. Explore the brain-based research and discover how horticultural therapy activities can aid in perceptual development and the learning process. Prerequisite: *Introduction to Horticultural Therapy*

Monday, Wednesday, & Friday, 7/8, 7/10, & 7/12, 10 am–3:30 pm  
Phyllis D'Amico, HTM | NYBG | 201THR402

\$419/\$459

REGISTER ONLINE AT NYBG.ORG/ADULTED OR CALL 800.322.NYBG (6924)

## HORT THERAPY IN BEHAVIORAL HEALTH SETTINGS

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

Tuesday, Thursday, & Friday, 7/23, 7/25, & 7/26, 10 am–3:30 pm  
Erin Backus, HTR | NYBG | 201THR404

\$419/\$459

## GARDEN DESIGN FOR SPECIAL POPULATIONS

Discover how to design, renovate, and evaluate both interior and exterior gardens so they can be effective catalysts for health, inclusion, and therapy. Learn the latest research in health care garden design, common design principles, and what accommodations are needed for different target populations. Prerequisite: *Horticultural Therapy for Physical Rehabilitation*

4 Wednesdays, 3/13–4/3, 6–9 pm, and 1 Saturday, 3/16, NYBG, 10 am–1 pm  
Nancy Minich, HTR, RLA | Manhattan | 193THR408

3 Fridays, 8/9–8/23, 10 am–3:30 pm  
Nancy Minich, HTR, RLA | NYBG | 201THR408B

\$395/\$435

## HORT THERAPY METHODS AND MATERIALS

Evaluate tools, equipment, and techniques used by participants in HT activities. Design adaptive tools and assistive devices through problem-solving activities. Explore Garden grounds and expand your ability to select plants for specific therapeutic programming needs. Prerequisite: *Horticultural Therapy for Physical Rehabilitation*

3 Wednesdays, 4/10–4/24, 5:30–8:30 pm, and 1 Saturday, 4/27, 10 am–3:30 pm  
Phyllis D'Amico, HTM, and John Beirne, HTR  
NYBG | 194THR406

Tuesday, Thursday, & Saturday, 7/30, 8/1, & 8/3, 10 am–3:30 pm  
Phyllis D'Amico, HTM, and John Beirne, HTR  
NYBG | 201THR406

\$419/\$459

## HORT 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. Prerequisite: *Behavioral Health Settings*

3 Saturdays, 5/4–5/18, 10 am–3:30 pm  
Pat Czarnecki, HTR | NYBG | 194THR409

3 Saturdays, 8/10–8/24, 10 am–3:30 pm  
Pat Czarnecki, HTR | NYBG | 201THR409B

\$419/\$459

# 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 along with the skills and confidence to start your own business. And the Garden offers 250 inspiring acres of sustainable, functional landscapes for up-close, in-depth study. Take a single class for pleasure or pursue a professional Certificate in Landscape Design.

## THE CERTIFICATE PROGRAM

The NYBG Landscape Design Certificate Program prepares students for creative careers as landscape designers. Outstanding instructors who are working professionals cover every step of the design process, from landscape history to site analysis and design development.

Upon completion of the program, students 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.



## SUMMER INTENSIVE PROGRAM | July 8–August 9

In five weeks, earn more than 30% of the course hours required for the NYBG Certificate in Landscape Design. Interactive classes with top landscape architects, designers, guest lecturers, plus 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 and II | Landscape Design I | Basic Plant ID  
Plants for Landscaping | NYBG Curator-Led Tours | Off-Site Garden Visits  
Guest Designer Presentations | Open Studio Time

Monday–Friday, July 8–August 9, 9 am–5 pm | NYBG | 201LAN960

### TUITION AND REFUNDS

\$3,865 (Member) / \$4,249 (Non-Member)

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

All materials needed for *Graphics I and II* are provided.

An optional payment schedule is available if requested. \$1,285 is due at registration; 2nd payment is due May 20, final payment Monday, June 17, 2019. No refunds after Monday, June 17, 2019.

Questions about the Intensive? Call 718.817.8747 or email: [adulsted@nybg.org](mailto:adulsted@nybg.org)

Class size is limited for individualized attention. Enroll now!



*“At NYBG, I discovered more than a challenging curriculum: outstanding instructors, a community of nature enthusiasts, and inspiration through the ever-changing garden grounds. The Landscape Design Program gave me a strong foundation for lifelong learning aligned with my philosophy of a sustainable relationship with nature. As a result, my curiosity and passion for plants, art, and design evolved into an exciting and fulfilling new career as a landscape designer.”*

— ANDREA SPUNBERG, 2018 Graduate  
Landscape Designer,  
Leslie Needham Design LLC



**GET NYBG  
CERTIFIED**

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 complete professional. Our curriculum, instructors, and influential alumni network make this the gold standard in Certificate programs. And that puts you ahead—with colleagues, employers, and clients.

**Susan Cohen**, Program Coordinator  
**William Harris Einhorn**, Program Advisor

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





**CERTIFICATE REQUIREMENTS**

COURSE	CODE	HOURS	PAGE
<b>TIER 1 – INTRODUCTORY CLASSES</b>			
Landscape Design History	LAN 301	24	48
Graphics I	LAN 311	24	49
Landscape Measurement	LAN 340	12	48
Landscape Plants: Fall Trees and Shrubs	HRT 331 <b>P</b>	12	38
Landscape Plants: Spring Trees and Shrubs	HRT 334 <b>P</b>	12	37
Plants for Landscaping	HRT 358	16	37
<b>TIER 2</b>			
Landscape Design I: Site Analysis and Schematic Design	LAN 401 <b>P</b>	24	48
Landscape Design II: Design Development	LAN 402 <b>P</b>	24	49
Estimating**	LAN 380 <b>P</b>	9	—
Graphics II	LAN 411 <b>P</b>	24	49
Grading**	LAN 421 <b>P</b>	24	—
Site Materials and Details	LAN 422 <b>P</b>	24	49
<b>TIER 3</b>			
Drainage	LAN 425 <b>P</b>	12	49
Graphics III	LAN 417 <b>P</b>	24	49
Landscape Design III: Planting Design	LAN 403 <b>P</b>	24	49
Professional Practice for Landscape Designers	LAN 485 <b>P</b>	12	49
Landscape Design IV: Design and Construction	LAN 520 <b>P</b>	33	49
Portfolio and Presentation Skills	LAN 555 <b>P</b>	15	49
<b>TOTAL REQUIRED HOURS</b>		<b>349</b>	

\*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. 55.

**STUDENT INFORMATION**

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

**INTRO TO LANDSCAPE DESIGN**

Gain an introduction to the terminology, concepts, and basic principles of landscape design through lectures and simple two-dimensional exercises. This course is recommended for students with little or no background in design who want to design for their own home or who are considering a Certificate.

3 Thursdays, 3/7–3/21, 10 am–1 pm  
 Sheri Forster | New Canaan Nature Center,  
 New Canaan, Conn. | 193LAN100D

3 Thursdays, 4/4–4/18, 10 am–1 pm  
 Daryl Beyers | NYBG | 194LAN100A

3 Thursdays, 7/18–8/1, 6:15–9:15 pm  
 Daryl Beyers | Manhattan | 201LAN100B

3 Mondays, 9/16–10/7 (no class 9/30), 10 am–1 pm  
 Daryl Beyers | NYBG | 201LAN100C

3 Tuesdays, 9/17–10/1, 6:15–9:15 pm  
 Kimberly Tryba | Manhattan | 201LAN100D

\$185/\$205

**SUBURBAN LANDSCAPE DESIGN**

Bringing innovative design to an ordinary front or back yard can transform an underused or out-of-date area into a vibrant space. Presentations illustrate creative ways to enhance an entrance with paving and plants, make over a narrow side yard, and screen undesirable views. Topics include reliable trees and shrubs, new native plantings, and the use of borrowed views, fencing, and terraces.

Friday, 3/29, 10 am–1 pm  
 Jan Johnsen | NYBG | 193LAN160

\$59/\$65

**NEW! DECORATIVE VEGETABLE GARDENS**

Explore the origins of vegetable gardens and view examples of beautiful and productive ones in the U.S. and abroad—from Monticello in Virginia and Villandry in France to Babylonstoren in South Africa, whose contemporary, formal gardens boast over 300 plant varieties, each of which is either edible or has medicinal value. We will also discuss fencing, plant supports, and imaginative layouts, as well as the specific plants used in the designs.

Tuesday, 4/23, 10 am–1 pm  
 Florence Boogaerts | NYBG | 194LAN248

\$59/\$65

**INTRO TO GREEN WALLS**

Explore various types of green walls used in the United States and Europe. Learn what system might best fit your project, what it takes to build such a wall, and how much maintenance is needed. Gain an understanding of the process from design to installation of one interior and one exterior green wall system and which plants are the most appropriate.

Monday, 4/22, 6–8 pm  
 Hanna Packer | Manhattan | 194LAN110

\$59/\$65

**BASIC PLANT ID**

Are you a plant-lover eager to up your game and start distinguishing one species from another? Then this is the class for you! Using commonly known plants, you'll learn the terminology used to describe their growing habits and structures. This vocabulary will help you recognize and describe key differences in plant forms, from roots to fruits. We'll also cover basic botanical nomenclature.

2 Tuesdays, 6/18 & 6/25, 5–8 pm  
 Katie Bronson | NYBG | 194BOT308B

Saturday, 7/27, 10 am–4 pm  
 Elle Barnes | Manhattan | 201BOT308C

\$145/\$159

**INTRO TO GREEN ROOFS**

Study basic design, installation, and maintenance strategies for green roofs. Using case studies and discussion, this introductory course explores approaches and standards for developing green roof technologies in the Metropolitan New York region.

Wednesday, 5/22, 6–8 pm  
 Hanna Packer | Manhattan | 194LAN112

\$59/\$65

**LIGHTING DESIGN WORKSHOP**

When the sun goes down, the art of landscape lighting can bring a painterly or even sculptural transformation to your design. This course explores the art of landscape lighting from selection and placement to color and composition. Learn the technical aspects of LED and low-voltage lights and how to create a professional-quality lighting plan.

2 Fridays, 6/7 & 6/14, 10 am–2:30 pm  
 Gary Novasel | NYBG | 194LAN158

\$229/\$249

**PLANT COMMUNITIES WORKSHOP**

Plants surround us in a profusion of forms. But in naturally occurring landscapes, these combinations are far from random, and are often dictated by complex factors, which limit or encourage the growth of particular plants. In this workshop you will gain insight into how, where and why these "plant communities" form. The concepts will fundamentally change the way you view natural landscapes, and give you a new toolbox for designing plantings inspired by plant communities.

2 Fridays, 7/19 & 7/26, 9 am–1:30 pm  
 Jessica Arcate Schuler | NYBG | 201HRT140

\$169/\$185



The Rabbit's Eye View:  
 A Workshop with Noel Kingsbury

Internationally celebrated garden designer/writer **Dr. Noel Kingsbury** gets students down on hands and knees to explore and understand how perennials are linked to their natural habitats and ecology—and how gardeners and designers can use that knowledge to help their plants survive and thrive for maximum interest with minimum maintenance. This engaging full-day workshop encourages participants at all levels to closely observe garden and landscape plants, focusing on their growth and competitiveness throughout the year, their prospects for longevity, and their suitability for a variety of garden locations. Best known for an ecological or naturalistic approach to planting design, Dr. Kingsbury has written 20 books on plants and gardens, three of them in collaboration with Dutch designer/plantsman Piet Oudolf.

Tuesday, 6/10, 10 am–4 pm | Noel Kingsbury | NYBG | 194LAN913 | \$225/\$249

**BUILDING A GREEN WALL**

Would you like to bring the outside inside? Green walls bring a striking beauty to any room, and help create a calm, healthy environment, by reducing noise, removing air toxins, and adding moisture and fresh oxygen to your living area. Discover best practices about what hardware, plants, and watering systems to use, while building a small living wall under the guidance of interior plant scape expert Chris Raimondi.

Saturday, 3/9, 10 am–2 pm  
 Chris Raimondi | Manhattan | 193LAN120A

Friday, 3/15, 10 am–2 pm  
 Chris Raimondi | NYBG | 193LAN120B

\$125/\$139

**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.

Thursday, 6/6, 10 am–2:30 pm  
 Jan Johnsen | NYBG | 194LAN169

\$119/\$129

**CITY ROOF DESIGN**

Throughout the world, city roofs are becoming greener and used year-round, offering a significant opportunity for landscape designers. Learn the special requirements and challenges of roof gardens and discuss roof garden horticulture, maintenance, and technology, including the basics of design.

Monday, 9/16, 6:15–8:15 pm  
 Hanna Packer | Manhattan | 201LAN175A

\$59/\$65



Illustration: *Magnolia grandiflora*, ©Deborah Dion, NYBG Graduate

## EXPLORE GARDEN HISTORY: Persian and Japanese Design



Photo by Jessica Norman

Visit the Walled Garden, envisioned as paradise on Earth.

### NEW! UNTERMYER: A CONTEMPORARY PERSIAN GARDEN

Envisioned to make paradise manifest on Earth, Persian gardens are known for their masterful use of geometry and water. Explore how this garden design style evolved from antiquity through the 19th century with Stephen F. Byrns, founder of the Untermyer Gardens Conservancy. He will discuss the architecture and spatial development of the gardens, as well as their intended spiritual and symbolic meaning. Then, we will travel together to explore the newly restored Untermyer Gardens in Yonkers on a guided tour that highlights both history and horticulture.

Friday, 9/27, 10 am–3:30 pm

Steve F. Byrns and Batya Gorin | NYBG & Untermyer Gardens | 201LAN912

\$175/\$195



Uneven paving stones encourage mindfulness at Kykuit.

### ADAPTING THE JAPANESE GARDEN FOR THE AMERICAN LANDSCAPE

Join Stephen Morrell for an in-depth look at the beauty and simplicity of Japanese gardens, and enjoy a rare opportunity to tour the Rockefeller Japanese Garden, one of the East Coast's finest examples. We'll begin the day at NYBG discussing the evolution of centuries-old design principles that inform Japanese gardens and how they can be adapted in America. In the afternoon, we'll travel to the Japanese Garden at Pocantico in Westchester for an intimate tour and tea ceremony demonstration in the sukiya-shoin style tea house designed by the renowned architect Junzo Yoshimura. *Class size is limited.*

Monday, 6/24, 9:30 am–3:30 pm  
Stephen Morrell | NYBG | 194LAN159

\$195/\$215

## CERTIFICATE CLASSES

These classes are also open to Non-Certificate students.

### LANDSCAPE DESIGN HISTORY

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

Study theories and principles that have shaped the design of landscapes from antiquity to the present. Explore Eastern and Western garden traditions. Survey all types of gardens and landscapes, including corporate and public spaces, through visual presentations, assigned readings, projects, and classroom discussion. Landscape designs will be considered in the context of the times and societies in which they were created.

9 Mondays, 3/18–5/13 (no class 10/8), 6:15–9:15 pm  
Mark Bunnell, RLA | Manhattan | 193LAN301E

8 Fridays, 3/22–5/10, 10 am–1 pm  
Caitlin Merritt | NYBG | 193LAN301F

9 Tuesdays, 9/17–11/19 (no class 10/8), 6:15–9:15 pm  
Mark Bunnell, RLA | Manhattan | 201LAN301A

9 Wednesdays, 9/18–11/20 (no class 10/9), 10 am–1 pm  
Paula Capps | NYBG | 201LAN301B

\$595/\$655 *Certificate Requirement*

### LANDSCAPE DESIGN I: SITE ANALYSIS AND SCHEMATIC DESIGN

Turning a vision into a plan is the designer's first challenge. Learn how to analyze existing landscapes and formulate the programmatic and functional requirements of a design project. Translate these into schematic design solutions. Take part in class discussions and critiques, and present projects. This is the first of four successive studio courses. Extensive out-of-class design homework is required.  Prerequisites: *Landscape Design History* and *Graphics I*

8 Thursdays, 4/25–6/13, 6:15–9:15 pm  
Michelle Lin-Luse | Manhattan | 194LAN401

\$575/\$635 *Certificate Requirement*

### 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.

4 Sundays, 4/28–5/19, 1:30–4:30 pm  
Wayne Cahilly | NYBG | 194LAN340A

4 Saturdays, 4/6–5/4 (no class 4/20), (Rain date 5/11), 10 am–1 pm  
Sarah Hettinger | NYBG | 194LAN340B

4 Saturdays, 9/14–10/5, (rain date 10/19) 10 am–1 pm  
Wayne Cahilly | NYBG | 201LAN340C

\$295/\$329 *Certificate Requirement*

### GRAPHICS I

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

Graphics are essential in developing and communicating your design ideas. Practice various graphic techniques and learn how to organize and render landscape plans on paper for optimal presentation to clients. Work with a range of drawing materials and drafting equipment. Homework is required.

8 Thursdays, 4/4–5/23, 10 am–1 pm  
William Harris Einhorn, RLA | NYBG | 194LAN311A

8 Tuesdays, 5/7–6/25, 6:15–9:15 pm  
Gustavo Capparelli | NYBG | 194LAN311B

Monday–Thursday, 7/8–7/18, 6–9 pm  
Jennifer Nitzky | Manhattan | 201LAN311C

8 Thursdays, 10/3–12/12 (no class 11/7 & 11/14), 6–9 pm  
Jennifer Nitzky | Manhattan | 202LAN311D

\$595/\$655 *Certificate Requirement*

### GRAPHICS II

Sharpen your graphic skills as you create a file of symbols and styles to draw upon for future professional use. Techniques for black-and-white and color rendering, sheet layout, section elevations, and perspectives are covered.  Prerequisite: *Graphics I*

8 Wednesdays, 4/3–5/29 (no class 5/1), 6–9 pm  
Jennifer Nitzky | Manhattan | 194LAN411A

8 Wednesdays, 5/8–6/26, 10 am–1 pm  
Gustavo Capparelli | NYBG | 194LAN411B

8 Tuesdays, 9/24–11/19 (no class 10/8), 6:15–9:15 pm  
William Harris Einhorn, RLA | NYBG | 201LAN411C

\$595/\$655 *Certificate Requirement*

### LANDSCAPE DESIGN IV: DESIGN AND CONSTRUCTION

Draw upon all of the skills you've developed in the Landscape Design program to create a residential project from start to finish, combining design with construction principles. Emphasis is on construction drawings, documents, and specifications, as well as estimating.  Prerequisites: *Landscape Design III*, *Grading*, and *Site Materials and Details*

11 Thursdays, 3/7–5/16, 3–6 pm  
Liz Pulver | NYBG | 193LAN520B

\$829/\$909 *Certificate Requirement*

### PORTFOLIO AND PRESENTATION SKILLS

Create visually compelling 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. Both print and electronic media presentations will be discussed.  Prerequisite: *Landscape Design III*

5 Tuesdays, 3/12–4/9, 6:15–9:15 pm  
Blythe Yost | NYBG | 193LAN555

\$379/\$415 *Certificate Requirement*

### DRAINAGE

Explore the importance of managing storm water runoff utilizing low-impact design techniques. Through lectures, demonstrations, in-class projects, and assignments, learn to identify potential effects of runoff and how to develop a drainage plan to meet the needs of each site. Also, learn to recognize and solve problems of subsurface drainage. Please bring lunch on Saturday.  Prerequisites: *Landscape Measurement* and *Landscape Design I*

2 Wednesdays, 3/13 & 3/20, 3–6 pm, & 1 Saturday, 3/16, 10 am–4:30 pm  
Alice Eckerson | NYBG | 193LAN425

2 Wednesdays, 6/5 & 6/12, 3–6 pm, & 1 Saturday, 6/8, 10 am–4:30 pm  
Alice Eckerson | NYBG | 194LAN425A

\$295/\$325 *Certificate Requirement*

### LANDSCAPE DESIGN II: DESIGN DEVELOPMENT

Apply basic design concepts to site-specific problems, focusing on the process of design development. Start with a conceptual design, then progress through the schematic phase, leading to a preliminary design solution. Examine the relationships of landscape elements and materials to the design process.  Prerequisites: *Landscape Design I* and *Graphics II*

8 Wednesdays, 3/13–5/1, 6:15–9:15 pm  
David McConnell | NYBG | 193LAN402B

8 Wednesdays, 9/11–11/13 (no class 9/25 & 10/9), 10 am–1 pm  
Leslie Needham | NYBG | 201LAN402A

\$575/\$635 *Certificate Requirement*

### SITE MATERIALS AND DETAILS

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

8 Mondays, 3/18–5/6, 10 am–1 pm  
William Harris Einhorn, RLA | NYBG | 193LAN422B

8 Mondays, 9/16–11/25 (no class 9/30, 10/14 & 11/11), 6:15–9:15 pm  
Gustavo Capparelli | NYBG | 201LAN422A

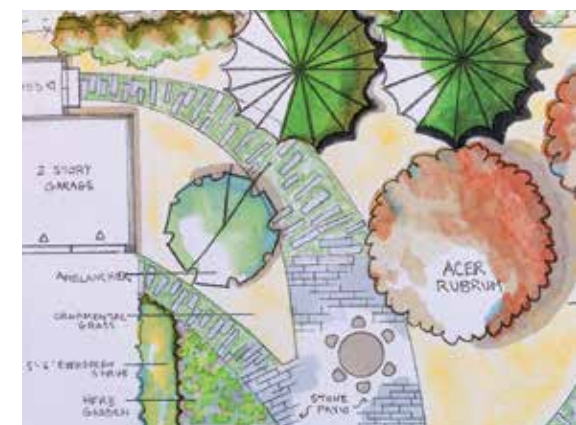
\$575/\$635 *Certificate Requirement*

### LANDSCAPE DESIGN III: PLANTING DESIGN

Through a series of design assignments, learn how to prepare planting plans for a variety of projects. Explore the significance of site conditions as well as plant form, texture, color, and ecological associations. Learn to develop plans that are practical, appropriate, and aesthetically satisfying.  Prerequisites: *Landscape Design II*, *Graphics III*, and *Plants for Landscaping*. Recommended: *Landscape Plants: Fall Trees and Shrubs* and *Landscape Plants: Spring Trees and Shrubs*

8 Thursdays, 9/12–10/31, 10 am–1 pm  
Alexis Gagne | NYBG | 201LAN403B

\$575/\$635 *Certificate Requirement*



Bungalow Site Plan (detail), ©Jessica Hills, NYBG Student

### GRAPHICS III

Build and expand upon your graphic presentation skills to create professional presentations to clients. Trimble SketchUp, a 3D sketching software program, is the focus of this advanced graphics class. Laptop computers (PC or Mac) with SketchUp are required.  Prerequisite: *Graphics II*

8 Fridays, 9/13–11/1, 10 am–1 pm  
William Harris Einhorn, RLA | NYBG | 201LAN417

\$595/\$655 *Certificate Requirement*

### PROFESSIONAL PRACTICE FOR LANDSCAPE DESIGNERS

Before you launch your own landscape design and installation practice, there are many business aspects you need to consider. Topics include attracting clients, preparing proposals, pricing, purchasing and installing plants, and strategies for success.  Prerequisite: *Landscape Design III*

4 Wednesdays, 10/2–10/30 (no class 10/9), 5:15–8:15 pm  
Jennifer Nitzky | NYBG | 202LAN485

\$295/\$325 *Certificate Requirement*

Exam on last class date

# PHOTOGRAPHY

*Experiment with light, composition, and motion or familiarize yourself with new technology to up your photography game!*



## THE ART OF INTUITIVE PHOTOGRAPHY

Award-winning photographer Mindy Veissid emphasizes an intuitive approach to taking pictures, one where open awareness precedes technical perfection and aims to cultivate photography's meditative potential. You will practice being more mindful of your surroundings, attuned to the subjects that draw your attention and learn to use your senses to guide you to the most meaningful images. All levels and camera types are welcome.

Thursday, 3/14, 6–9 pm  
Mindy Veissid | Manhattan | 193GWP280B

Saturday, 5/11, 11 am–2 pm  
Mindy Veissid | NYBG | 194GWP280A

\$59/\$65

## FLASH PHOTOGRAPHY: THE ORCHID SHOW

Photograph *The Orchid Show* using your DSLR 100-300 mm telephoto lens, and dedicated speedlights. Master techniques to achieve the best lighting and exposure for these vibrant flowers without the use of tripods or monopods. Afterward, return to the classroom for a review and critique of your images. Please bring lunch.

Tuesday, 4/2, 9 am–3 pm  
Jeffrey Falk | NYBG | 194GWP937

\$109/\$119

## LIGHT, SHADOW, AND THE GOLDEN HOUR

Light fundamentally influences the mood and composition of your photos. Explore how to make the best use of different kinds of natural light by optimizing your camera settings, consciously choosing what time of day you shoot, and using shadows, a fill light, or a reflector. We'll take pictures on the grounds and then discuss the results. All levels welcome.

Sunday, 4/14 (Rain date 4/28), 4:30–7:30 pm  
David Samuel Stern | NYBG | 194GWP238

\$59/\$65

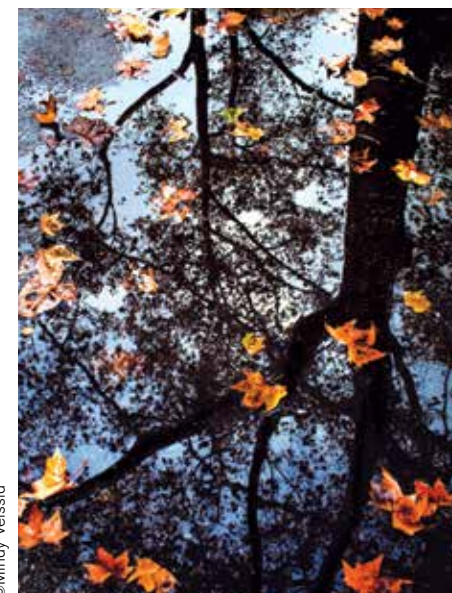
## ABSTRACT PHOTOGRAPHY

Experiment with composing abstract images using botanical subjects, taking inspiration from Georgia O'Keeffe. An expert at honing in on beautiful details from years working in high-end fashion, 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 SLR cameras preferred.

Wednesday, 4/24, 2–5 pm  
Douglas Dubler | NYBG | 194GWP211A

Saturday, 8/10, 2–5 pm  
Douglas Dubler | NYBG | 201GWP211B

\$59/\$65



©Mindy Veissid

Learn to let intuition guide your photography.



©William Waitzman

Create your own cyanotype prints.

## BOTANICAL BLUES: CYANOTYPE

Harness sunlight to create dreamlike botanical images in rich blues. Pioneered in the 1840s, cyanotype is a type of photography that doesn't use a camera. Under the expert guidance of artist William Waitzman, you will make 4–6 prints, while exploring the best ways to prep your paper with light-sensitive chemicals and compose your image using pressed plants.

Saturday, 5/18 (rain date 5/19), 10:30 am–3 pm  
William Waitzman | NYBG | 194CRF128A

Saturday, 7/13 (rain date 7/14), 10:30 am–3 pm  
William Waitzman | NYBG | 201CRF128B

\$139/\$155

## GOODBYE DIGITAL CAMERA...HELLO IPHONE!

Learn practical techniques and tips for using the iPhone camera. Discover the best apps for photo taking, special effects, editing, post-processing, and more. The best way to organize and share your photos and videos via email, e-cards, and social media will be demonstrated. Bring your charged iPhone, Apple ID, and its password.

Friday, 5/17, 10 am–1 pm  
Donald Gambino | NYBG | 194GWP151A

Friday, 5/17, 2–5 pm  
Donald Gambino | NYBG | 194GWP151B

\$59/\$65

## ADVANCED IPHONE PHOTOGRAPHY

Make artistic images with your iPhone, the world's most-used camera! Learn to "see as a professional" and make proper use of your focus, flash, self-timer and zoom capabilities. See how preparation, lighting, and environmental conditions can help create unique images. Fun, weekly homework assignments and in-class critiques will challenge you to play with perspective, framing, cropping, color, size, emotion, mood and more. Familiarity with iPhone basics is required.

4 Tuesdays, 5/28–6/25 (no class 6/11), 10 am–1 pm  
Donald Gambino | NYBG | 194GWP161

\$195/\$215

## INTRODUCTION TO BLACK & WHITE PHOTOGRAPHY

Douglas Dubler, who studied with Ansel Adams, will use a variety of arresting images to discuss what techniques to use so your photographs achieve rich blacks, stark whites, and all the greys in between. He will also demonstrate how to process your images with the free Nik Collection plug-in. The first session will include time on grounds to shoot, and the second will be an opportunity to review your work and discuss challenges and successes faced in the field. Digital SLR cameras preferred.

2 Sundays, 5/5 & 5/19, 10 am–1 pm  
Douglas Dubler | NYBG | 194GWP208

\$109/\$119

## CLOSE-UP & MACRO PHOTOGRAPHY WORKSHOP

Learn to create intimate and detailed portraits of flowers using various lenses, proper depth of field, filters, and the best framing techniques. Equipment, including zoom telephotos, close-up diopter filters, extension tubes, teleconverters, dedicated macro lenses, and wide angle close-ups will be demonstrated in the classroom, followed by practice using your own equipment. Images will be projected on screen for discussion and review.

Saturday, 6/8, 9 am–3 pm  
Jeffrey Falk | NYBG | 194GWP928

\$109/\$119

## NEW! INDOOR LIGHTING BASICS

Dive in to using low-budget table-top lighting equipment and techniques to make compelling photos of botanical subjects and floral arrangements. Photographer David Samuel Stern will discuss the basic principles of still-life lighting design and walk you through manual camera controls to achieve optimal effect, and get the foundation on which to craft photos as striking as the old Dutch Masters paintings! Please bring a camera with manual controls and a tripod.

Sunday, 6/30, 2–5 pm  
David Samuel Stern | NYBG | 194GWP228

\$75/\$85

## NEW! FINE ART PRINTING

Don't let your images stay trapped in your hard drive! Experiment with the art of making a print, a process that requires great technical skill and a keen eye for detail. Over his four-decade career, Douglas Dubler has tenaciously pursued the elusive fine art print. Now, in this in-depth workshop, he will share his insights on how to achieve superior results in digital printing; from capture/scanning, monitor calibration, file preparation, color management, custom profiling, printing, and paper selection.

Tuesday, 7/16, 10 am–2 pm  
Douglas Dubler | NYBG | 201GWP237

\$75/\$85



## NEW! THE ORCHID SHOW: SPECIAL PHOTOGRAPHERS' HOURS

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

Friday, 3/22, 8:30–10 am | 193GWP229A  
Tuesday, 4/16, 6:30–8 pm | 194GWP229B

\$49/\$55

# WELLNESS

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



## MEDICAL CANNABIS

Some 29 states have legalized the medical use of marijuana. Proponents tout it as a safe, effective treatment for symptoms of cancer, HIV, MS, Parkinson's, and other conditions—while opponents see many physical and social risks. Explore the science behind this controversial plant, as Dr. Dahmer takes you through a brief history of the endocannabinoid system, its effects on the brain, its associated risks and disorders, and an overview of medical cannabis—today and in the future—in New York and across the country.

Thursday, 3/14, 6–7:30 pm  
Stephen Dahmer, M.D. | Manhattan | 193WEL128B

\$35/\$39

## 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.

8 Saturdays, 4/6–6/8 (no class 4/20 & 5/25),  
10–11 am  
Robert Torres | NYBG | 194WEL102

\$119/\$129

## CANDLEMAKING WITH ESSENTIAL OILS

Freshen your home while experiencing the soothing benefits of essential oils. Create custom-scented aromatherapy soy candles using essential oils to invigorate, calm, or heal. Learn the differences between petroleum-based paraffin candles and synthetic essential oil candles commonly sold in stores. Create and take home two 4-oz. container candles and two 3-oz. votive candles.

Saturday, 3/2, 11 am–2 pm  
Karine Gordineer | Manhattan | 193WEL138B

Saturday, 4/13, 11 am–2 pm  
Amandine Peter | NYBG | 194WEL138A

Saturday, 8/17, 11 am–2 pm  
Amandine Peter | Manhattan | 201WEL138B

\$95/\$105

## NEW! THE HEALING POWERS OF TURMERIC

Used in India for over 4,500 years, turmeric is a powerful remedy for your body—both inside and out. An antioxidant with antibacterial and anti-inflammatory properties, this spice can help clear up acne, decrease UV damage, and reduce scarring. Ayurvedic practitioner Sriram Moorthy shares the rich history of this powerful spice, then shows you how to make a turmeric facial mask and body wash to take home.

Tuesday, 4/16, 11 am–12:30 pm  
Sriram Moorthy | NYBG | 194WEL148A

Thursday, 8/22, 11 am–12:30 pm  
Sriram Moorthy | Manhattan | 201WEL148B

\$65/\$69

## NEW! BUILD A HERBAL FIRST-AID KIT

Use herbal skills and recipes to treat many of life's little mishaps. Herbalist Dawn Petter will cover which herbs to keep on hand and how best to use them. She'll also demonstrate how to blend various herbs to produce balms, creams, and poultices. Under her expert guidance, you will make your own herbal remedies: a salve to relieve the itch of bug bites and stings and a soothing infusion for bruises, pain, and sore muscles.

Wednesday, 4/3, 6:30–8:30 pm  
Dawn Petter | Manhattan | 194WEL221

\$65/\$69

## ESSENTIAL OIL PERFUME WORKSHOP

Perfume can be traced back thousands of years to an Ancient Egyptian tradition, beloved by Cleopatra. Discover the history of perfume and the therapeutic benefits of essential oils in this hands-on workshop. Learn scent-blending techniques and how to identify and keep perfume notes. Formulate three unique signature scents using wax, carrier oils, and essential oils, and take home one solid perfume, a 2-oz. aromatherapy spray, and a roll-on perfume.

Saturday, 4/27, 10 am–1 pm  
Ursula Basch | Manhattan | 194WEL134A

Saturday, 6/15, 11 am–2 pm  
Karine Gordineer | NYBG | 194WEL134B

Tuesday, 7/23, 6–9 pm  
Ursula Basch | Manhattan | 201WEL134C

\$95/\$105

## SOAPMAKING WORKSHOP

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

Sunday, 5/19, 11 am–2 pm  
Elizabeth Scholl | NYBG | 194WEL143A

Sunday, 8/4, 11 am–2 pm  
Elizabeth Scholl | NYBG | 201WEL143B

\$109/\$119

## FOREST BATHING

When surrounded by the tranquil beauty of nature, the mind naturally becomes quiet and peaceful. This is reflected in Japanese Zen, where silent meditation in serene environments is a core element of the practice. Buddhist monks, trained in both Japanese Zen and in Therāvada meditation, will teach us how to meditate and lead us on a journey of inner exploration: practicing sitting and walking meditation in NYBG's Thain Family Forest.

Tuesday, 5/21, 10 am–1 pm  
Bhante Suddhaso | NYBG | 194WEL145A

Tuesday, 7/9, 10 am–1 pm  
Bhante Jayasara | NYBG | 201WEL145B

Tuesday, 9/24, 10 am–1 pm  
Bhante Suddhaso | NYBG | 201WEL145C

\$55/\$59

## NEW! GUT HEALTH: THE KEY TO YOUR IMMUNE SYSTEM

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

Thursday, 5/30, 6:30–8:30 pm  
Cheryl Paswater | Manhattan | 194WEL215

\$45/\$49

## NEW! HERBAL OXYMELS

Since ancient Greece, herbalists have made oxymels, syrups that mix honey and vinegar with bitter medicinal roots to make them easier to ingest. Today, oxymels are gaining in popularity as an alternative way to take in the healing benefits of herbs, distinct from tinctures and teas. Discover the health benefits of a variety of herbs you can use such as mullein (to manage respiratory issues) and elecampane (to boost your immune system) while you make your own oxymels to take home.

Thursday, 4/18, 6:30–8 pm  
Arvolyn Hill | Manhattan | 194WEL234A

Saturday, 6/29, 11 am–12:30 pm  
Arvolyn Hill | NYBG | 194WEL234B

\$65/\$69

## NEW! SUMMER REMEDIES WITH ESSENTIAL OILS

Insect bites, sunburn, heat waves... Don't let your vacation suffer from these typical summer drawbacks. Experiment with a variety of essential oils that can be used for healthy, non-chemical based alternative remedies. You will learn how to make three much-needed products: an insect repellent, a sunburn gel, and a cooling mist.

Saturday, 6/1, 11 am–1 pm  
Amandine Peter | NYBG | 194WEL151A

Saturday, 7/13, 11 am–1 pm  
Amandine Peter | Manhattan | 201WEL151B

\$65/\$69

## NEW! CALM AND COLLECTED HERBAL WORKSHOP

Relieve modern-day stress with traditional herbal remedies! We will explore the fascinating history of herbal medicine and review how to choose and store herbs for your own use. Discover which plants and essential oils work best to alleviate tension, then create two herbal remedies to take home: a topical aromatic roll-on that helps reduce stress and a herbal infusion that relaxes the nervous system.

Wednesday, 6/12, 10:30 am–1:30 pm  
Karine Gordineer | New Canaan Nature Center, CT  
194WEL189

\$95/\$105

# Herbal Saturday

May 4 | Midtown Education Center,  
Manhattan

**Herbs have been helping us stay healthy for thousands of years. Spend a day with herbal experts and earn how plants can be used for medicine, aroma, and refreshment.**



10:30 am–12 pm

## INTRO TO HERBAL MEDICINE

Are you interested in bringing the natural benefits of herbs and herbal remedies into your life? Discover the differences between herbal medicine and homeopathy, the three major branches of herbalism, and the fascinating history of herbal medicine. Learn how to choose and store herbs, how to properly take herbal medicines, and how to make and use several common herbal remedies that help reduce stress.

Ursula Basch | 194WEL130B | \$65/\$69

12:45–2:15 pm

## GROWING A HERBAL GARDEN

No more shopping at the market for basil and thyme! Learn how to create your own aromatic mini-garden with fresh herbs that you can enjoy year-round. Whether you're growing indoors or outdoors, learn which herbs are easiest to maintain, most beneficial in use, and most popular in the gardening world.

Colin Wright | 194WEL130C | \$65/\$69

2:30–4:30 pm

## HERBAL INFUSIONS AND DECOCTIONS

Imbibing a herbal drink is one of the easiest and tastiest ways to reap the health benefits from botanicals. Explore the difference between making a simple tisane, a nourishing herbal infusion, and a concentrated decoction in this hands-on workshop. Discover top tips regarding which drinks are best suited for which health goals. Take the recipes home to share with your family and friends!

Amy Anthony | 194WEL130D | \$65/\$69

**All Three Sections: 194WEL130A | \$179/\$195**

Illustration: *Passiflora incarnata* x *cincinnata*,  
©Isabelle Baron, NYBG Graduate

## ACADEMIC POLICIES & PROCEDURES

### GENERAL COURSE INFORMATION

#### 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 718.817.8747 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 2019 ceremony will be held on Sunday, June 2. If you expect to complete your Certificate requirements or enroll in all remaining classes by June this year, you must inform the Manager of Student Services in writing at [adultgraduation@nybg.org](mailto:adultgraduation@nybg.org) by February 23. You will be informed if you are eligible for a Certificate by April 20. Call the Registration Office at 718.817.8747 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.

## CONTINUING EDUCATION UNITS, PROFESSIONAL SOCIETIES, & ACADEMIC PROGRAMS

#### Continuing Education Units (CEUs)

APLD and ASLA Members: Don't miss out! Get CEUs for many of our lectures. Events offering CEUs are noted in the catalog or on the individual event listing pages at [nybg.org/adulted](http://nybg.org/adulted) with your organization's logo.



#### Tri-State Botanical Artists of NYBG (TSBA)

The Tri-State Botanical Artists of NYBG (TSBA) is a lively group of over 40 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! TSBA is recognized as an ASBA Circle. Meetings are free and held once a month at NYBG. Please contact Jeanne Reiner [reinerj@hotmail.com](mailto:reinerj@hotmail.com) or Susan Sapanara [ssapanara@gmail.com](mailto:ssapanara@gmail.com) for more information.

#### 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 that extend beyond the classroom into the professional arena. All students and alumni in Landscape Design, Horticulture, and Gardening are invited to attend. Call Elaine Yellen at 914.723.4090 for details or drop by one of the scheduled meetings.

#### 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](http://ahta.org)

#### American Institute of Floral Designers (AIFD)

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

#### 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](http://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 (HRT 357) offered at the Garden, and pass a State-administered exam. Applicators must periodically apply for recertification and must complete a number of courses that the DEC and the New Jersey State Department of Environmental Protection (DEP) have approved for recertification credit.

#### 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. The New York Chapter meets bimonthly, usually at NYBG. For more information visit [gnsi.org](http://gnsi.org)

#### International Society of Arboriculture (ISA)

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

#### Northeast Organic Farming Association (NOFA)

NOFA offers CEUs to Accredited Organic Land Care Professionals (AOLCPs) who have made a commitment to practice in accordance with NOFA Organic Land Care Standards, to pursue ongoing education in methodology, and to create ecologically sound landscapes and living environments for their clients. For a complete list of NYBG courses that qualify visit [nofa.org](http://nofa.org)

#### The New York Botanical Garden & Bronx Community College Associate Degree Program

NYBG and Bronx Community College of The City University of New York offer an Associate Degree program. The first year of the program is offered at BCC where students take academic courses. The second year is spent at NYBG, where students take academic courses and work in horticulture. For more information, contact NYBG at 718.817.8747 or Adijat Adebola at [adijat.adebola@bcc.cuny.edu](mailto:adijat.adebola@bcc.cuny.edu) or 718.289.5538.



## SCHOOL OF PROFESSIONAL HORTICULTURE

The New York Botanical Garden's School of Professional Horticulture offers a comprehensive, full-time, two-year program combining the challenge of hands-on training with academic study to educate you to become a skilled and knowledgeable professional horticulturist. Our graduates enjoy a nearly 100% job placement rate. Alumni have successful careers in public and private sectors, including estate management, landscape design/build firms, and public parks and gardens.

As a student in the School of Professional Horticulture you:

- Develop a strong foundation in horticultural and botanical sciences, including native plants, green roofs, urban agriculture, sustainability, greenhouse management, and ecological garden design.
- Get hands-on training with NYBG's expert horticulturists and botanists.
- Visit nurseries, public and private gardens, ecological sites such as the New Jersey Pine Barrens, and celebrity estates.
- Attend lectures and meetings with horticulture and landscape experts from around the world.

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

Applications are due August 1 for the program beginning the following January. For a catalog, visit [nybg.org/edu/soph](http://nybg.org/edu/soph) or call 718.817.8797.



New York Botanical Garden  
2900 Southern Boulevard  
Bronx, New York 10458-5126  
Address Service Requested



Without plants, life on Earth would be impossible. They give us so much: oxygen, food, shelter, medicine. Plants lift our spirits and inspire us. But we often overlook them—even as threats to their existence have never been greater.

At NYBG in 2019, we're showing our love for plants with a year of exhibitions and programs exploring the essential connections between plants, people, and the environment.

**Join us and spread the #plantlove.**



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.



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