At the dawn of a new decade, we hope you will join us to explore hidden talents, engage your senses and feed your fascination with plants and horticulture. We are proud to offer many new opportunities for personal enrichment, learning and professional development. Whether you are interested in science and innovation, cuisine, living well, horticulture or creating a masterpiece, you will find something in the winter schedule to explore.

Don’t miss this chance to hear from the Garden’s experts and learn from our experienced instructors. Join us for a class and become part of a friendly community of learners, creators, and innovators at Fairchild.

ONLINE REGISTRATION IS NOW OPEN!

View a full description of classes and register at fairchildgarden.org/classes.

For assistance, call 305.663.8099. Please have your membership number and credit card ready. Advance registration is required and payment is due with registration. Please plan ahead, as walk-ins are not accepted. Fees cannot be transferred or prorated.

Not a member? Become a member online at fairchildgarden.org/membership.

For more information, call 305.667.1651, ext. 3373.

Refunds (less a 20% service fee) will be made for cancellations received at least seven days prior to classes and workshops. No refunds will be given for missed classes. Classes are not interchangeable. Classes may be canceled if minimum enrollment is not reached.
ART

DRAWING THE PORTRAIT IN GRAPHITE
Carlos Gallostra
This class introduces you to a step-by-step process that facilitates capturing a portrait from the initial contour to the fully rendered form, in graphite or charcoal.
10:00 a.m. to 1:00 p.m.
Section A: Tuesdays, January 14 to March 3 (eight sessions)
Section B: Tuesdays, March 10 to April 28 (eight sessions)
Fee per section: Member, $216; Non-member, $270

PUT YOUR PASSION ON PAPER WITH WATERCOLORS
Intermediate/Advanced
Diane Lary
Students will learn tools and techniques including the importance of leaving whites and creating shadow, selecting a color palette to create harmony and unity, and manipulating your reference materials. Basic knowledge of watercolor painting is required.
10:00 a.m. to 1:00 p.m.
Section A: Wednesdays, January 15 to March 4* (seven sessions)
*No class on February 26
Section B: Wednesdays, March 11 to April 29* (seven sessions)
*No class on April 8
Fee per section: Member, $230; Non-member, $290

PAINTING THE PORTRAIT IN OIL
Carlos Gallostra
This class introduces a step-by-step process for capturing the portrait from the initial contour to the fully rendered form in oil paint. Topics will range from ideas on value and color mixing to techniques meant to finalize the turn of form and the relationship of darkness and lights. This class is not for beginners. Students will work on independent projects and should have prior experience in both drawing and painting.
10:00 a.m. to 2:00 p.m.
Wednesdays, January 15 to February 12 (five sessions)
Fee: Member, $90;
Non-member, $112

THE ART OF PAINTING USING PALETTE KNIVES
MaiYap
In this class, you will receive basic instruction and frequent demonstrations on how to handle the different knives, mix colors, and apply various techniques. You will be using oils or water-mixable oils.
Section A:
10:00 a.m. to 2:00 p.m.
Thursdays, January 16 to February 20 (five sessions)*
*No class 2/13
Fee: Member, $220;
Non-Member, $275
Section B:
10:00 a.m. to 2:00 p.m.
Thursdays, February 27 to April 2 (four sessions)*
*No class March 5 or 12
Fee: Member, $176;
Non-Member, $220

ALtered BOOKS WORKSHOP
Mila Hajjar
In this workshop, you will take a hardcover book (old, new, recycled) and cut, glue, burn, fold, paint, add to, collage, rebind, and create. You may add pockets and niches to hold tags, rocks, photos, and more.
10:00 a.m. to 2:00 p.m.
Section A: Fridays, January 31 to February 28 (five sessions)
Section B: Fridays, March 6 to April 10 (five sessions)**
*No class 3/27
Fee per section: Member, $220; Non-member, $275

SOFT PASTELS IN THE GARDEN
Dan Bondroff
Students at all levels are welcome to learn the fascinating art of pastels. Discover how to paint in soft pastel, considered by many as the purest of painting media.
1:00 to 4:00 p.m.
Section A: Tuesdays, January 14 to February 11 (five sessions)
Section B: Tuesdays, February 18 to March 17 (five sessions)
Fee per section: Member, $165; Non-member, $205

OPEN STUDIO WITH MARCELLE
Marcelle Zanetti
Artists of every level are welcome to spend Friday mornings in the studio with Marcelle. Time will be spent painting independently, with critiques at the end of every class. This class is open to students using oils, acrylics, and water-based oils.
10:00 a.m. to 1:00 p.m.
Section A: Thursdays, January 16 to March 5 (eight sessions)
Section B: Thursdays, March 19 to May 7 (eight sessions)
Fee per section: Member, $216; Non-member, $270

PLEIN AIR IN THE GARDEN
Carlos Gallostra
Claim your ground, set up your palette, and let the beauty of our garden be your muse! This course is a must for intermediate to advanced students aiming to advance their skills and confidence in plein air rendering through works in oil paint or soft pastel. You will be able to work outside and within our studio.
1:30 to 4:30 p.m.
Tuesdays, January 14 to March 3 (eight sessions)
Fee: Member, $190;
Non-member, $230

FROM THE GROUND UP: PAINTING THE STILL LIFE IN OIL
Carlos Gallostra
You will learn to facilitate drawing from observation, dive into theories on value and color, and apply a stronger understanding of oil painting techniques to turn the form, capture the light, and finalize a realistic record of your subject.
1:30 to 4:30 p.m.
Section A: Thursdays, January 16 to March 5 (eight sessions)
Section B: Thursdays, March 19 to May 7 (eight sessions)
Fee per section: Member, $216; Non-member, $270

USING PALETTE KNIVES
Marcelle Zanetti
You will learn to create harmonies and variations in color, and manipulate your reference materials. Basic knowledge of oil painting is required.
10:00 a.m. to 2:00 p.m.
Thursdays, January 16 to February 20 (five sessions)*
*No class March 5 or 12
Fee: Member, $176;
Non-Member, $220

THE ART OF PAINTING
Diane Lary
In this class, you will receive basic instruction and frequent demonstrations on how to handle the different knives, mix colors, and apply various techniques. You will be using oils or water-mixable oils.
10:00 a.m. to 2:00 p.m.
Thursdays, January 16 to February 20 (five sessions)*
*No class 2/13
Fee: Member, $220;
Non-Member, $275

PUT YOUR PASSION ON PAPER WITH WATERCOLORS
Diane Lary
Students will learn tools and techniques including the importance of leaving whites and creating shadow, selecting a color palette to create harmony and unity, and manipulating your reference materials. Basic knowledge of watercolor painting is required.
10:00 a.m. to 1:00 p.m.
Section A: Wednesdays, January 15 to March 4* (seven sessions)
*No class on February 26
Section B: Wednesdays, March 11 to April 29* (seven sessions)
*No class on April 8
Fee per section: Member, $230; Non-member, $290

PAINTING THE STILL LIFE IN OIL
Carlos Gallostra
This class introduces a step-by-step process for capturing the still life from the initial contour to the fully rendered form in oil paint. Topics will range from ideas on value and color mixing to techniques meant to finalize the turn of form and the relationship of darkness and lights. This class is not for beginners. Students will work on independent projects and should have prior experience in both drawing and painting.
**ART**

**WATERCOLORS: THE NEXT STEP**
(Intermediate/Advanced)
*Ricardo Aberle*

This class will expand your knowledge of the various techniques. Students will work at their own pace to develop their unique, creative style. There will be optional critiques and group interaction, but the majority of the class will be spent painting and receiving one-on-one guidance from the instructor.

10:00 a.m. to 1:00 p.m.
Section A: Fridays, January 31 to February 28 (five sessions)
Section B: Fridays, March 6 to April 10 (five sessions)
Fee per section: Member, $165; Non-member, $210

**MOTHER NATURE AND ME**

*Caroline Parker*

Parents/caretakers and their little ones are invited to make memories together at Fairchild with Create Miami Art Instructors. Each class includes storytime, garden exploration and nature craft activity! Engage in social, tactile and creative fun. Bond with your little one over finger painting, confetti, and glue, and leave the cleanup to us!

Section A: 9:30 – 10:15 a.m.
Section B: 10:30 – 11:15 a.m.
Fridays, January 21 – February 25 (six sessions)
Fee: Member, $150; Non-member, $200

**JOURNEY INTO THE SELF FOR HEALTH & WEALTH WITH QIGONG**

*Lilly Lei, M.D.*

This class begins building the energetic foundation for this ancient Chinese practice for longevity, the Five Elements of Medical Qigong. Energizing and mood-elevating, qigong is naturally conducive to increased self-awareness and examination. You can practice it indoors or outdoors, and it doesn’t take much space or equipment—just you and a chair.

10:30 a.m. to noon
Fridays, January 17 to February 21 (six sessions)
Fee: Member, $150; Non-member, $200

**PILATES IN THE AFTERNOON AT FAIRCHILD**

*Maureen O’Rourke*

Pilates is a non-impact movement style that develops long, lean muscles and incorporates techniques that enhance concentration, control, centering, relaxation, and breath. This method improves postural integrity, stabilization and balance while simultaneously stretching and strengthening the muscles. You must be comfortable sitting and lying on the floor; prior to enrollment, the instructor will consult with newcomers.

4:30 to 5:30 p.m.
Thursdays, January 23 to February 27 (six sessions)
Fee: Member, $90; Non-member, $110

**INTRODUCTION TO PHOTO ENCAUSTIC HOT WAX PAINTING**

*Andrea Clement*

Take your photographs to a new creative level with the ancient art of encaustics—a mixed-media technique that involves applying a heated beeswax medium to a surface and then incorporating other materials such as paint, ground pigments, and collaged elements upon and within the wax.

10:00 a.m. to 2:00 p.m.
Tuesday/Wednesday, March 3 and 4 (two sessions)
Fee: Member, $88; Non-member, $110; Supplies fee: $40, payable to instructor

**FENG SHUI WITH A PURPOSE—INTRODUCTORY COURSE**

*Lilly Lei, M.D.*

Organize your home and/or office according to your life’s purpose with Feng Shui—the art and science of managing your environment (external and internal) to improve life. You’ll be introduced to a wide range of effects it offers, such as helping you find a positive energy area to support work or study, or a healing area to speed recovery from illness.

2:00 to 4:00 p.m.
Sunday, February 23 (one session)
Fee: Member, $60; Non-member, $90

**LITTLE SPROUTS YOGA—MOMMY OR DADDY AND ME**

*Debie Lee*

This baby and grownup yoga class gives adults the opportunity to gain strength and tone muscle while bonding, stretching, and playing with their babies. Grownups and little ones will enjoy breathing techniques to calm you both, gentle baby massage and stretches, asanas and stretching for grownups, sharing and more! For babies 6 weeks to 3 years old.

9:30 to 10:15 a.m.
Tuesdays, March 3 to April 7 (six sessions)
Fee: Member, $90; Non-member, $110

**WATERCOLORS: THE NEXT STEP**

(Intermediate/Advanced)
*Ricardo Aberle*

This class will expand your knowledge of the various techniques. Students will work at their own pace to develop their unique, creative style. There will be optional critiques and group interaction, but the majority of the class will be spent painting and receiving one-on-one guidance from the instructor.

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4:30 to 5:30 p.m.
Thursdays, January 23 to February 27 (six sessions)
Fee: Member, $90; Non-member, $110

**ART WELLNESS**

**MOTHER NATURE AND ME**

*Caroline Parker*

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9:30 to 10:15 a.m.
Tuesdays, March 3 to April 7 (six sessions)
Fee: Member, $90; Non-member, $110
CREATE YOUR OWN TERRARIUM - FAMILY CLASS
Debie Lee
Join master gardener Debie Lee for some family fun while creating your own gnome and fairy garden. Together, you and your child will design your own tabletop garden inspired by your imagination. All supplies to create one tabletop garden will be provided.
5:30 to 7:30 p.m. Tuesday, January 21 (one session)
Fee: Member, $30; Non-member, $40

PLANT GROWTH REGULATORS’ APPLICATION ON ORNAMENTAL PLANTS
Dr. Amir Khoddamzadeh
Learn about Plant Growth Regulators (PGRs) and their applications. Dr. Amir Khoddamzadeh, a Florida International University instructor and undergraduate director of its Earth and Environment program, will explain how to use PGRs in your home garden to improve rooting, promote uniform branching, increase floral induction, and control height.
10:00 a.m. to noon Saturday, February 1 (one session)
Fee: Member, $30; Non-member, $40

TROPICOLOR PLANTING COMBINATIONS FOR SOUTH FLORIDA GARDENS
Carlos Samosa
Join Miami landscape designer Carlos Somoza on a journey through subtropical gardens and their stunning plant combinations, which can be used in your gardens and on your balconies. Fundamental planting design principals, including color, form, and texture, will be discussed, as will the basic culture and characteristics of the highlighted plant palettes.
6:30 to 8:30 p.m. Thursday, January 30 (one session)
Fee: Member, $30; Non-member, $40

GROWING PLANTS IN CONTAINERS: THE ART AND SCIENCE OF PORTABLE HORTICULTURE
Dr. Chad Husby
Most of the plants we grow in gardens spend at least part of their life in containers. However, many aspects of growing plants in pots, from pot size and shape to the types of soil mix, watering and fertilization, are poorly understood. This course will explore and demonstrate basic insights from physics, chemistry and biology that help us to better care for our potted plants. Common myths and misconceptions of container horticulture will also be discussed.
Section A: 6:30 to 8:30 p.m. Tuesday, April 21 (one session)
Fee: Member, $30; Non-member, $40
Section B: 6:30 to 8:30 p.m. Tuesday, April 21 (one session)
Fee: Member, $30; Non-member, $40

WATER GARDENING
Dr. Brett Jestrow
This hands-on and interactive class will introduce you to the scope and nature of garden water features. You will learn how to design the perfect garden and select the right plants, and why water quality is so important. To provide inspiration and context, this class includes a tour of Fairchild's spectacular water gardens.
Section A: 10:00 a.m. to noon Saturday, February 8 (one session)
Fee: Member, $30; Non-member, $40
Section B: 10:00 a.m. to noon Saturday, March 2 (one session)
Fee: Member, $30; Non-member, $40

PLANT GROWTH REGULATORS’ APPLICATION ON ORNAMENTAL PLANTS
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Fee: Member, $30; Non-member, $40
Section B: 10:00 a.m. to noon Saturday, March 2 (one session)
Fee: Member, $30; Non-member, $40

THE ART AND SCIENCE OF GROWING ORCHIDS IN SOUTH FLORIDA
Dr. Sandra Schultz
Whether you are new to orchids or have been growing them and want to learn more, you'll enjoy discussing the orchid family with an introduction to genera, species, and their culture. You'll learn about the best locations for growing orchids, repotting, mounting, placing them in the landscape, pests, diseases, and fertilizers.
10:30 a.m. to 12:30 p.m. Wednesdays, February 19 to March 4 (three sessions)
Fee: Member, $90; Non-member, $120

GARDENING WITH GINGERS
Dr. Carl Lewis
From tiny herbs to massive mega-perennials, gingers and their relatives provide dramatic foliage and color, year-round cut flowers, and unique culinary ingredients. This class includes a tour of Fairchild's gingers and a demonstration of how we propagate, plant, and maintain them. We'll discuss the gingers you can try in your own garden or indoors, including tips on where to find unusual species.
10:00 a.m. to noon Saturday, February 22 (one session)
Fee: Member, $30; Non-member, $40

LANDSCAPING WITH ORCHIDS
Peter Kouchalakos
With proper care, you can introduce fabulous ground-growing orchids to your tropical garden or your pool patio. You'll learn about the types of garden habitats these orchids require and what you can expect in the way of performance. A variety of orchids will be available for sale after class;
10:00 a.m. to noon Saturday, February 22 (one session)
Fee: Member, $30; Non-member, $40
INTRODUCTION TO BONSAI
Ray Kincaid
You will learn the basics of bonsai, including a brief history, basic care and maintenance, tools, styles, and the rules that govern styling a bonsai tree. You’ll also see a tree worked from its native state to create a pre-bonsai suitable for potting. Each student will receive a pre-bonsai that they will plant into a pot to take home.

PROPAGATION 101
Brian Harding and Sabine Wintergerst
Discover how plant propagation plays a role in the conservation of rare, threatened, and endangered plants of South Florida and the Caribbean. Horticultural techniques and propagation methods will be demonstrated in relation to conserving our globally imperiled plants. This class takes place at Fairchild’s Nursery.

Section A
6:00 to 9:00 p.m.
Tuesday, March 10
(one session)
Fee: Member, $30; Non-member, $40

Section B
10 a.m. to 1:00 p.m.
Saturday, April 4 (one session)
Fee: Member, $30; Non-member, $40

BROMELIADS: EASY

TROPICALS FOR YOUR SOUTH FLORIDA GARDEN
Peter Kouchalakos
Learn the basics of growing these attractive, adaptable, and colorful epiphytes, in the ground, on trees, or in pots. You’ll go through propagating pups, choosing the optimum growing medium and containers, watering and misting, providing air circulation and lighting, fertilizing, and methods of combating pests.

Section A
6:30 to 8:30 p.m.
Tuesday, March 17 and 24
(two sessions)
Fee: Member, $60; Non-member, $80

INTRODUCTION TO GRAFTING AND MARCOTTING
Jorge Zaldivar
Grafting is the age-old practice of joining plants to specific root systems to get the desirable benefits of both parts. During this hands-on workshop, participants will receive instruction in the different techniques of grafting fruit trees. Rootstock, scionwood and tools will be provided for participants to graft their own.

Section A
9:00 a.m. to noon
Saturday, April 25
(one session)
Fee: Member, $30; Non-member, $40

BUILDING MATERIALS FOR SUBTROPICAL GARDENS
Carlos Samosa
Building beautiful gardens in South Florida relies heavily on choosing the right building materials and applying common-sense construction techniques. Miami landscape designer Carlos Samosa will present both natural and man-made building material alternatives, including locally quarried and imported stone, precast pavers, and tropical hardwood decking.

Section A
6:30 to 8:30 p.m.
Thursday, April 16
(one session)
Fee: Member, $30; Non-member, $40

PROPAGATING PLANTS—HURRICANE PREPAREDNESS
Nathaniel Cockshutt
During hurricane season, the right tree in the right place may help protect your property from strong winds by acting as a buffer. But improperly pruning trees before a storm can increase the possibility they will break or fall more easily during the storm. In this class, you’ll learn practical tips and techniques for preparing your yard for hurricane season.

Section A
10:00 a.m. to noon
Saturday, March 7
(one session)
Fee: Member, $30; Non-member, $40

INTRODUCTION TO BONSAI
Ray Kincaid
You will learn the basics of bonsai, including a brief history, basic care and maintenance, tools, styles, and the rules that govern styling a bonsai tree. You’ll also see a tree worked from its native state to create a pre-bonsai suitable for potting. Each student will receive a pre-bonsai that they will plant into a pot to take home.

Section A
6:00 to 9:00 p.m.
Tuesday, March 10
(one session)
Fee: Member, $30; Non-member, $40

Section B
10 a.m. to 1:00 p.m.
Saturday, April 4 (one session)
Fee: Member, $30; Non-member, $40

BROMELIADS: EASY

TROPICALS FOR YOUR SOUTH FLORIDA GARDEN
Peter Kouchalakos
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Section A
6:30 to 8:30 p.m.
Thursday, April 16
(one session)
Fee: Member, $30; Non-member, $40
MEDITERRANEAN VEGETARIAN
Chef Amy Lubchansky
Drawing on the rich cultural traditions of the Mediterranean, we will create a vegetarian feast. On the menu: wild mushroom crostini, fresh from the farmers market salad, a Swiss chard and leek frittata, and a rustic fruit galette for dessert.
1:00 to 4:00 p.m.
Friday, January 17 (one session)
Fee: Member, $55; Non-member, $70

RAW FOOD LIVING
Chef Amy Lubchansky
Make a day’s worth of raw meals, from a breakfast chia pudding to a spiralized pasta lunch, to a raw taco dinner, and a walnut cocoa brownie. All feature nutrient-dense plant-based ingredients.
1:00 to 4:00 p.m.
Sunday, February 2
(1 session)
Fee: Member, $35; Non-member, $45

BEYOND RICE AND POTATOES
Chef Kira Voltz
There are so many grains out there to explore, and all have more protein, vitamins, and minerals than rice or potatoes. You will learn about the nutritional benefits of these grains and how to prepare them in delicious side dishes or as tasty stand-alone meals.
6:00 to 9:00 p.m.
Tuesday, February 11
(1 session)
Fee: Member, $35; Non-member, $45

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6:00 to 9:00 p.m.
Tuesday, February 11
(1 session)
Fee: Member, $35; Non-member, $45

DESSERT FOR NON BAKERS
Chef Amy Lubchansky
Intimidated by pastry and dough, but still want to make desserts from scratch? You don’t need to be a classically trained French pastry chef to create delicious desserts at home. We will make a seasonal fruit crisp, bar cookies, and a galette.
10:00 a.m. to 1:00 p.m.
Friday, March 20
(1 session)
Fee: Member, $55; Non-member, $70

SUSHI 101
Chef Johnson Teh
You will learn all the basics of sushi, beginning with where to buy ingredients. Chef Teh will guide you and as you prepare, roll, and cut the sushi.
6:00 to 9:00 p.m.
Tuesday, March 31
(1 session)
Fee: Member, $55; Non-member, $70

SMOOTHIES FOR THE WHOLE FAMILY
Chef Deanna Bossert
Learn about wholesome and nutritious ingredients to power-pack your favorite smoothies. We’ll review some local South Florida smoothie ingredients, and you’ll gain an understanding of how to incorporate veggies, seeds, and additional products into your smoothies or bowls.
10:00 a.m. to noon
Saturday, February 8
(1 session)
For 1 adult and 1 child
Fee: Member, $55; Non-member, $70

PHO
Chef Johnson Teh
Learn how to make pho, Vietnam’s most recognized and beloved noodle soup. Chef Teh will also share some recipes for simple appetizers.
6:00 to 9:00 p.m.
Tuesday, February 18
(1 session)
Fee: Member, $55; Non-member, $70

EATING FOR VIBRANT HEALTH: FOOD IS MEDICINE
Nick Borja, M.D.
The way we eat plays a powerful role in determining our risk of chronic diseases like diabetes, cancer, stroke, and dementia. Dr. Borja draws on his background as a preventive medicine physician and cancer genetics researcher, and will include both an information session and an interactive cooking demonstration.
10:00 a.m. to 1:00 p.m.
Section A: Saturday, February 1
(1 session)
Section B: Saturday, February 29
(1 session)
Fee: Member, $35; Non-member, $45

FISH TACOS
Chef Kira Voltz
Explore fresh and lively fish wraps for a quick, easy, delicious, and nutritious meal! All of the ingredients can be wrapped in your favorite flour or corn tortilla or tossed into a bowl.
6:00 to 9:00 p.m.
Thursday, April 9
(1 session)
Fee: Member, $55; Non-member, $70

BREAKFAST ON THE GO
Chef Kira Voltz
Let Chef Kira show you delicious and nutritious make-ahead breakfasts, many catering to special diets such as gluten-free. Menu examples include toasted muesli, baked egg custards, egg burritos, tacos, and learning to flavor your own yogurt.
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6:00 to 9:00 p.m.
Thursday, April 9
(1 session)
Fee: Member, $55; Non-member, $70

SUSHI 101
Chef Johnson Teh
You will learn all the basics of sushi, beginning with where to buy ingredients. Chef Teh will guide you and as you prepare, roll, and cut the sushi.
6:00 to 9:00 p.m.
Tuesday, March 31
(1 session)
Fee: Member, $55; Non-member, $70

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6:00 to 9:00 p.m.
Tuesday, March 31
(1 session)
Fee: Member, $55; Non-member, $70

MADE IN MEDITERRANEAN
Chef Amy Lubchansky
Drawing on the rich cultural traditions of the Mediterranean, we will create a vegetarian feast. On the menu: wild mushroom crostini, fresh from the farmers market salad, a Swiss chard and leek frittata, and a rustic fruit galette for dessert.
1:00 to 4:00 p.m.
Friday, January 17 (one session)
Fee: Member, $55; Non-member, $70

RAW FOOD LIVING
Chef Amy Lubchansky
Make a day’s worth of raw meals, from a breakfast chia pudding to a spiralized pasta lunch, to a raw taco dinner, and a walnut cocoa brownie. All feature nutrient-dense plant-based ingredients.
1:00 to 4:00 p.m.
Sunday, February 2
(1 session)
Fee: Member, $35; Non-member, $45

BEYOND RICE AND POTATOES
Chef Kira Voltz
There are so many grains out there to explore, and all have more protein, vitamins, and minerals than rice or potatoes. You will learn about the nutritional benefits of these grains and how to prepare them in delicious side dishes or as tasty stand-alone meals.
6:00 to 9:00 p.m.
Tuesday, February 11
(1 session)
Fee: Member, $35; Non-member, $45

DESSERT FOR NON BAKERS
Chef Amy Lubchansky
Intimidated by pastry and dough, but still want to make desserts from scratch? You don’t need to be a classically trained French pastry chef to create delicious desserts at home. We will make a seasonal fruit crisp, bar cookies, and a galette.
10:00 a.m. to 1:00 p.m.
Friday, March 20
(1 session)
Fee: Member, $55; Non-member, $70

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Chef Johnson Teh
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6:00 to 9:00 p.m.
Tuesday, March 31
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Fee: Member, $55; Non-member, $70

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Chef Johnson Teh
You will learn all the basics of sushi, beginning with where to buy ingredients. Chef Teh will guide you and as you prepare, roll, and cut the sushi.
6:00 to 9:00 p.m.
Tuesday, March 31
(1 session)
Fee: Member, $55; Non-member, $70
DESIGNING FOR THE FUTURE
Jordan DeWitt
Ages 13+
It’s 2020, and the future starts now! What problems still exist in the world that new technology could solve? Join us for one or more of a series of design-thinking workshops where we will use Fairchild’s Innovation Studio design software, machine controls, and materials to brainstorm, design and create concepts for new technologies.

January 20: Empathize and Define—Discern and state the problems you aim to solve
January 21: Ideate and Prototype—Challenge assumptions and create solutions to problems
January 22: Testing and Further Defining—Redefine or determine new problems based on tests
January 23: Prototype and Refine—Use what was learned from testing to create new solutions

6:00 to 8:00 p.m.
Monday, January 20 to Thursday, January 23
(four sessions)
Fee per session: Member, $20; Non-Member, $25
Fee for all four sessions: Member, $75; Non-Member, $90

CIRCUIT CARD CRAFTING
Jordan DeWitt
Ages 7+
Design and create an unforgettable card for your Valentine (or yourself) complete with its own LED circuit! During this workshop, you will learn basic circuitry as you create a light-up card to take home, and learn how electronic systems as simple as these are being put to use aboard the International Space Station.
6:00 to 8:00 p.m.
Thursday, February 13
(one session)
Fee: Member, $40; Non-Member, $50

CIRCUITS IN SECONDS
WITH littleBits
Moonlighter Makerspace
Ages 7+
Learn how to make something light up, make a sound, move, or sense something! Using modular circuit blocks that easily snap together with magnets, you’ll learn how to quickly invent functional electronic prototypes. With the additional Lego adapters, it’s a fun way to build your ideas!
1:00 to 3:00 p.m.
Sunday, February 23
(one session)
Fee: Member, $40; Non-Member, $50

LEARN TO SOLDER—SKILL BUILDER
Moonlighter Makerspace
Ages 9+
This beginner electronics workshop will teach you how to solder your own LED light onto various circuit boards and perf boards. This essential skill is a good foundation for any budding hardware hacker or enthusiast.
1:00 to 3:00 p.m.
Sunday, March 8
(one session)
Fee: Member, $40; Non-Member, $50

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Sunday, March 8
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Fee: Member, $40; Non-Member, $50

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1:00 to 3:00 p.m.
Sunday, March 8
(one session)
Fee: Member, $40; Non-Member, $50

DIY HOME BOTANY KIT
Moonlighter Makerspace
Ages 9+
This introduction to the Growing Beyond Earth Design Challenge will have you build your own home version of Fairchild’s LED plant-growing chamber. You’ll learn how to assemble the pod, solder the LED lights, and plant your edible leafy green. After, you’ll get to take it home and watch it grow!
6:00 to 8:00 p.m.
Thursday, April 9
(one session)
Fee: Member, $40; Non-Member, $50

PLANTECH—BUILDING SOIL MOISTURE SENSORS
Jordan DeWitt
Ages 13+
Apply your soldering and design skills to help care for your houseplants. Through this workshop, you will create your own soil moisture monitoring system and learn how to interpret its readings.
6:00 to 8:00 p.m.
Thursday, March 19
(one session)
Fee: Member, $40; Non-Member, $50
PHOTOGRAPHY

HOW TO USE AND MASTER YOUR INTERCHANGEABLE LENS DSLR (SINGLE LENS REFLEX) CAMERA
Pedro Lastra
Take advantage of your full-featured advanced DSLR camera. This class will cover which lenses are best suited to your particular needs and how to use them, as well as basic flash and lighting techniques, different focal length lenses, basic camera functions, and the unique features of your particular camera. (Please bring your camera and manual.) The class is offered to users of Canon, Nikon, Pentax, Sony, and Leica.
6:00 to 9:00 p.m. Thursdays, January 16 and 23 (two sessions)
Fee: Member $70; Non-member, $88

USING IPHOENOGRAPHY TECHNIQUES DURING THE GOLDEN HOUR AND MOONRISE AT FAIRCHILD
Shirley Drevich
Don’t miss this chance to experience the Garden with its stunning, glowing late-afternoon landscapes leading into a full moonrise. You’ll learn effective techniques for taking stunning photos of the winter sunset and the Gibbous moonrise using your iPhone. Students will then spend time creatively processing their images with a few choice apps.
4:00 to 7:00 p.m.
Section A: Friday, February 7 (one session)
Section B: Friday, March 6 (one session)
Fee per section: Member, $36; Non-member, $45

SUNRISE—EARLY MORNING PHOTOGRAPHY AT FAIRCHILD
Carlos Causo
Students will photograph Fairchild’s spectacular landscapes, dramatically lit by the rising sun. Participants will receive instruction, tailored to their level, on photographing outdoors in the early morning natural light, as well as help selecting a subject and creating attractive compositions with your camera. In the field, instruction will be geared toward the aesthetic challenge of moving from documentation to interpretation.
7:00 a.m. to 9:00 a.m.
Section A: Saturday, February 8 (one session)
Section B: Saturday, March 28 (one session)
Fee per section: Member, $36; Non-member, $45

FULL MOON: NIGHT PHOTOGRAPHY
Carlos Causo
In this one-night class, students will photograph the rise of the moon. Sturdy tripods and cameras with interchangeable lenses or point-and-shoot cameras with close-up and user-adjustable settings are strongly recommended. This class is designed for intermediate to advanced students.
5:00 to 8:00 p.m.
Snow Moon: Sunday, February 9 (one session)
Worm Moon: Monday, March 9 (one session)
Pink Moon: Tuesday, April 7 (one session)
Fee per session: Member, $36; Non-member, $45

BEGINNERS PORTRAIT WITH BOTANICALS
Sean Black
This intermediate-level course is geared towards photographers looking to switch away from auto settings, and is targeted to eco-friendly and savvy photo enthusiasts. By learning more about your DSLR camera’s manual settings, you will learn to capture what your mind’s eye envisions through spot-metering and selective focusing as you take plant portraits.
1:00 to 4:00 p.m.
Saturday, February 8 (one session)
Section B: Saturday, March 6 (one session)
Fee: Member, $36; Non-member, $45

USING THE SNAPSEED APP ON YOUR iPHONE
Shirley Drevich
With the Snapseed camera app, you can capture photos like never before without post-processing, and its new Pro Mode offers numerous lens and film combinations that can be applied after taking a photo. Students will learn how to shoot with the camera app, view samples of different lens and film combinations, and more.
1:30 to 4:30 p.m.
Friday, February 28 (one session)
Fee: Member, $36; Non-member, $45

ARTISTIC FLOWER MACRO PHOTOGRAPHY
Pedro Lastra
Learn to create interpretative flower images in the Garden by reviewing the best camera settings, including using shallow focus, hyperfocal techniques, and lighting techniques. In the field, you will learn how to manage the subject, use the correct approach and effectively compose the image. This class is designed for intermediate to advanced students. Current phones with telephoto lenses, such as the Apple iPhone 11 and Samsung Galaxy Note 10+, can also be used for this class.
8:00 to 11:00 am
Section A: Saturday, February 29 (one session)
Section B: Saturday, April 11 (one session)
Fee per section: Member, $36; Non-member, $45

BUTTERFLY AND SMALL BIRD EARLY MORNING PHOTOGRAPHY
Pedro Lastra
Learn the skills required to master butterfly macro photography in Wings of the Tropics, Fairchild’s butterfly conservatory. Sturdy tripods, cameras with interchangeable lenses or point-and-shoot cameras with close-up settings and user-adjustable settings, and a 90mm or longer macro are strongly recommended. Phones with telephoto lenses, such as the iPhone 11 and Samsung Galaxy Note 10+, can also be used for this class.
8:00 to 11:00 a.m.
Saturday, February 29 (one session)
Fee per section: Member, $36; Non-member, $45
LET NATURE BE YOUR GUIDE
Sean Black
This introductory class gives novice photographers the opportunity to immerse themselves in lush flora and fauna while looking closer at the hidden beauty of our natural world. Learn the basic creative and semi-manual settings of your DSLR camera and why some photographs are just more visually appealing than others.
1:00 to 4:00 p.m. Saturday, March 7
(one session)
Fee: Member, $36; Non-member, $45

CREATIVE iPHONEOGRAPHY
Shirley Drevich
Explore ways to capture and process images with your iPhone and create stunning results using a variety of apps. Students will spend time capturing images in the Garden (weather permitting) and processing them in the classroom as they learn how to use various applications. An iPhone 6/6s or later and an active iTunes account are required.
10:00 a.m. to 1:00 p.m. Section A: Wednesdays, March 18 and 25 (two sessions) Section B: Fridays, April 3 and 10 (two sessions)
Fee per section: Member, $70; Non-member, $90

STUDIO FLOWER AND STILL-LIFE PHOTOGRAPHY
Carlos Cauao
Are you looking to take accurate photographs of your subjects? During this class, you’ll receive instruction on using your camera to effectively expose, focus, and compose photographs. Time spent in demonstrations will be geared towards the challenges of accurate documentation or interpretative representation.
6:00 to 9:00 p.m. Tuesday, March 24
(one session)
Fee: Member, $36; Non-member, $45

ORCHID PHOTOGRAPHY: CAPTURING THE BEAUTIES OF FAIRCHILD’S 18TH ANNUAL INTERNATIONAL ORCHID FESTIVAL
Carlos Cauao
Orchid and photography enthusiasts will enjoy this unique opportunity to preview and photograph Fairchild’s International Orchid Festival early in the morning, before the crowds arrive. You will learn how to photograph the orchids using artificial light to produce natural-looking photographs, as well as how to create attractive compositions. Advanced point-and-shoot cameras with pop-up flashes and macro capability or SLRs with macro lenses and external flashes are highly recommended.
8:00 to 10:00 a.m. Saturday, March 14
(one session)
Fee: Member, $36; Non-member, $45

ADVANCED DSLR TECHNIQUES: GETTING MORE OUT OF YOUR DSLR CAMERA
Pedro Lastra
This class will cover advanced functionalities of your DSLR, including when to use RAW format vs. jpg, managing white balance options, autofocus, and multiple external flashes and light modifiers. You’ll also learn the basics of using your histogram to maximize image quality and managing lens aperture and focal length. This class is for owners of Canon, Nikon, Pentax, Sony, and Leica cameras.
6:00 to 9:00 p.m. Thursdays, March 19 and 26 (two sessions)
Fee: Member $70; Non-member, $90

PHOTO EDITING
Pedro Lastra
As an owner of large screen iPhone, iPad 2, iPad Air or higher, you can access endless apps for photo editing and sharing. Learn how to manipulate images, add filters, and produce new works of art to share with family and friends. In preparation for this class, students will download and install Photoshop Express, Snapseed, and Filterstorm.
1:00 to 4:00 p.m. Thursdays, April 23 and 30 (two sessions)
Fee: Member, $70; Non-member, $90

THE INVERTED GARDEN: COLOR, STYLE & IMAGINATION
Sean Black
Walking alongside a professional commercial and fine art photographer and university educator, you will explore the artistic process, from developing a visual concept with a client, to capturing stylized versions of our natural world. In addition to makeshift props and gels, you’ll learn to use Adobe lightroom software to translate your otherworldly vision while retaining a superbly crafted fine-art image.
1:00 to 4:00 p.m. Saturday, April 11
(one session)
Fee: Member, $36; Non-member, $45

THROUGH THE EYE OF THE ARTIST
Andrea Clement
Create more artistic images by learning how to compose a good photograph and create moods and special effects. You’ll learn about using lines and lighting in creative ways to create depth, using repetition and texture, and as other visual elements of art. You will take photographs in the Garden and a group critique will reinforce understanding of these concepts.
1:00 to 4:00 p.m. Sunday, April 5 (one session)
Fee: Member $36; Non-member, $45

PHOTOGRAPHY