SPRING 2018 CREDIT COURSES
CERTIFICATE IN BOTANICAL ART & ILLUSTRATION

Click here to register online.

**Beginning Drawing**
*Kathy Schermer-Gramm, Artist*
Saturdays January 6, 20, 27, February 3; 1:15 - 4:45 p.m. (Inclement Weather Date: February 10)
$150 ($135 Members)
An introductory level course of drawing for beginners and those wishing to refresh their skills. Includes using a sketchbook for line drawing exercises on seeing to draw, quick sketching, mapping for accuracy, and other basic principles of drawing.

**Composition**
*Patricia Savage, Artist*
Saturdays January 20, February 3, 10, 17; 9:15 - 12:45 p.m. (Inclement Weather Date: February 24)
$150 ($135 Members)
This course is a broad study in the elements that formulate a good artistic composition. Students learn how to make visual choices and determine how parts of a plant are arranged on the page to balance botanical accuracy and artistic sensitivity.

**Introduction to Botanical Art & Illustration**
*Linda Koffenberger, Artist*
Sunday, January 21; 1:15 - 4:45 p.m.
$38 ($34 Members)
This half-day class explores the history of botanical illustration, shows examples of various types of botanical illustrations and botanical art, describes the coursework for the Certificate in Botanical Illustration, and introduces the instructors. It is required for students beginning the NCBG certificate program but is open to anyone.

**Intermediate Drawing**
*Patricia Savage, Artist*
Sundays February 11, 18, 25, March 4; 1:15 - 4:45 p.m. (Inclement Weather Date: March 11)
$150 ($135 Members)
In this class, students continue their journey to learn the skills needed to produce a clean, accurate pencil drawing. Specifics of the course include: measuring, ellipses in perspective, and tonal gradation. This class serves as a prerequisite for Pen and Ink, Intermediate Watercolor classes, and Intermediate Colored Pencil. Prerequisite: Beginning Drawing
**Beginning Watercolor**  
*Kathy Schermer-Gramm, Artist*  
Tuesdays February 13, 20, 27, March 6; 1 - 4:30 p.m. (Inclement Weather Date: March 13)  
$150 ($135 Members)  
In this class, students are introduced to watercolor and learn basics techniques such as flat and graded washes. Students learn to paint various simple shapes (spheres and cylinders) and a small botanical subject. Prerequisite: Beginning Drawing

**Graduation Preparation: What You Need to Know**  
*Patricia Savage, Artist*  
Saturdays February 17 and 24; 1:30 - 4:30 p.m.  
$65 ($58 Members)  
Students will receive guidance on Independent Projects, graduation procedures and requirements, as well as organizing the exhibit, photographing and framing their paintings, and an introduction to marketing their work.

**Botany**  
*Olivia Lenahan, Horticultural Scientist*  
Saturdays March 10, 17, 24; 9:30 a.m. - 4 p.m.  
$195 ($175 Members)  
This course is introductory in nature and designed for a broad audience. It covers basic principles of botany including taxonomy, anatomy, morphology and physiology. Class time is divided between lectures and examining/dissecting samples. There are also opportunities for making observations in the gardens.

**Gouache**  
*Kate Lagaly, Artist*  
Tuesdays March 20, 27, April 3, 10; 1 - 4:30 p.m.  
$150 ($135 Members)  
This four-week elective course gives the student an introduction to the fundamentals in painting gouache (opaque watercolor) and provides instruction for botanical art and illustration. Prerequisites: Beginning Drawing, Beginning Watercolor.

**Advanced Colored Pencil**  
*Kate Lagaly, Artist*  
Wednesdays April 4, 11, 18, 25; 1 - 4:30 p.m.  
$150 ($135 Members)  
This course builds on Beginning and Intermediate Colored Pencil techniques. Using a live plant and/or reference photographs of their choice, students will create a small series of colored pencil pieces of native North Carolina plant(s). Prerequisite: Intermediate Colored Pencil.
Plant Taxonomy
*Milo Pyne, Plant Ecologist*
Fridays April 6, 13, 20; 1-5 p.m.
$130 ($117 Members)
This course builds on the fundamentals taught in Botany and prepares students for supplementary material covered in Flowering Plant Families. It is a core course for students enrolled in either of the NCBG certificate programs. Students learn the basic concepts of the taxonomy of vascular plants and how to identify plant families by making observations of selected characteristics. The use of taxonomic keys is introduced. Interesting examples are studied to illustrate current issues in plant taxonomy and nomenclature. Prerequisite: Botany.

Spring Flora
*Milo Pyne, Plant Ecologist*
Saturdays April 7, 14, 21; 1-5 p.m.
$130 ($117 Members)
This course is intended for a broad audience as well as for students who are enrolled in either of the NCBG certificate programs. Field trips and exercises provide experience in the use of identification keys and recognition of plants in a natural setting. Upon completion of this course, students will have an understanding of basic plant morphology, naming conventions for plants and the history of scientific naming, how to identify the prominent plants of the season using a dichotomous key and field characteristics, all through a season-specific lens. No prerequisites.
NOTE: Field sessions may involve moderate off-trail hiking; be prepared for weather conditions. The first session will take place at NCBG, and the latter two sessions will take place elsewhere in the Triangle. (Past locations have included Eno River State Park and Moorefields.) Locations will be made available as soon as they are decided.

Intermediate Traditional Watercolor (for Illustrators)
*Kathy Schermer-Gramm, Artist*
Tuesdays April 17, 24, May 1, 8; 1 - 4:30 p.m.
$150 ($135 Members)
This course builds upon the knowledge and skills of Beginning Watercolor. Using live botanical specimens, students apply basic drawing and watercolor skills to create detailed, realistic watercolor studies of individual plant structures such as stems, twigs, leaves, petals, flowers, pods, and fruit. Classes cover such topics as creating the illusion of depth and volume and portraying shape, color, and textural details accurately. Prerequisites: Beginning Watercolor, Intermediate Drawing

Botanicals in Watercolor, Colored Pencil, and Pen & Ink
*Linda Koffenberger, Artist*
Wednesdays May 9, 16, 23, 30; 1 - 4:30 p.m.
$150 ($135 Members)
This class is designed to increase students’ skills and confidence in the use of the various art media taught at the Garden. The instructor demonstrates techniques to combine watercolor, ink and colored pencils to create
vibrant botanical paintings. Students receive one-on-one instruction to evolve their own unique drawing and painting. Prerequisites: Pen & Ink, Beginning Colored Pencil, Intermediate Watercolor

**Advanced Drawing: Botanical Plates**
*Kathy Schermer-Gramm, Artist*
Tuesdays May 15, 22, 29, June 5; 1 - 4:30 p.m.
$150 ($135 Members)
Students work towards refining drawing skills in creating a plant portrait. Specifics to this class include rendering a tonal botanical plate, working with live plants, studying plant anatomy, using microscopes, as well as mapping and cross-contour drawing for accuracy. Prerequisites: Intermediate Drawing, Composition

**Integrating Composition and Color Theory (Color Theory)**
*Patricia Savage, Artist*
Sundays June 3, 10, 17, 24; 1:15 - 4:45 p.m.
$150 ($135 Members)
In this class students learn the basics of color and the techniques for properly mixing pigments to match a specific color. Concepts of the color wheel and analogous/complementary colors are explored through instruction and numerous exercises. The three attributes of color – hue, value and intensity are also covered. Prerequisites: Composition, Intermediate Watercolor

**Beginning Colored Pencil**
*Kate Lagaly, Artist*
Wednesdays June 6, 13, 20, 27; 1 - 4:30 p.m.
$150 ($135 Members)
Colored pencil is a next step in advancing from drawing to painting, and introduces the full array of fine art pigments. This course is a hands-on introduction to commonly used materials and techniques such as layering, blending, burnishing and tonal gradation. Prerequisite: Beginning Drawing

**Advanced Expressive Watercolor**
*Kate Lagaly, Artist*
Tuesdays June 12, 19, 26; 12-4:40 p.m.
$150 ($135 Members)
This course reviews and builds on Intermediate Watercolor techniques. Using a live plant and/or reference photographs of their choice, students will create a small series of paintings of a native North Carolina plant(s). Prerequisites: Intermediate Watercolor, Integrating Composition and Color Theory.
## BOTANICAL ART AND ILLUSTRATION COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Status</th>
<th>Hours</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction To Botanical Illustration</td>
<td>Core</td>
<td>3.5</td>
<td>None (Effective 9/2011)</td>
</tr>
<tr>
<td>Beginning Drawing</td>
<td>Core</td>
<td>14</td>
<td>None</td>
</tr>
<tr>
<td>Composition</td>
<td>Core</td>
<td>14</td>
<td>None</td>
</tr>
<tr>
<td>Botany</td>
<td>Core</td>
<td>18</td>
<td>None</td>
</tr>
<tr>
<td>Plant Taxonomy</td>
<td>Core</td>
<td>12</td>
<td>Botany</td>
</tr>
<tr>
<td>One of Local Flora: Spring, Summer, Fall, or Winter</td>
<td>Core</td>
<td>12</td>
<td>None</td>
</tr>
<tr>
<td>Beginning Watercolor</td>
<td>Core</td>
<td>14</td>
<td>Beginning Drawing</td>
</tr>
<tr>
<td>Beginning Colored Pencil</td>
<td>Core</td>
<td>14</td>
<td>Beginning Drawing</td>
</tr>
<tr>
<td>Intermediate Drawing</td>
<td>Core</td>
<td>14</td>
<td>Beginning Drawing</td>
</tr>
<tr>
<td>Pen and Ink</td>
<td>Core</td>
<td>14</td>
<td>Intermediate Drawing</td>
</tr>
<tr>
<td>Intermediate Traditional Watercolor (for Illustrators) or Intermediate Expressive Watercolor</td>
<td>Core</td>
<td>14</td>
<td>Beginning Watercolor, Intermediate Drawing</td>
</tr>
<tr>
<td>Integrating Composition and Color Theory (Color Theory)</td>
<td>Core</td>
<td>14</td>
<td>Composition, Intermediate Watercolor</td>
</tr>
<tr>
<td>Advanced Traditional Watercolor (for Illustrators) or Advanced Expressive Watercolor</td>
<td>Core</td>
<td>14</td>
<td>Intermediate Watercolor, Integrating Composition and Color Theory</td>
</tr>
<tr>
<td>Field Sketching</td>
<td>Elective</td>
<td>14</td>
<td>None</td>
</tr>
<tr>
<td>Intermediate Colored Pencil</td>
<td>Elective</td>
<td>14</td>
<td>Beginning Colored Pencil, Intermediate Drawing</td>
</tr>
<tr>
<td>Advanced Colored Pencil</td>
<td>Elective</td>
<td>14</td>
<td>Integrating Composition and Color Theory, Intermediate Colored Pencil</td>
</tr>
<tr>
<td>Advanced Drawing: Botanical Plates</td>
<td>Elective</td>
<td>14</td>
<td>Intermediate Drawing</td>
</tr>
<tr>
<td>Pen and Ink: Media Explorations</td>
<td>Elective</td>
<td>14</td>
<td>Pen and Ink</td>
</tr>
<tr>
<td>Gouache</td>
<td>Elective</td>
<td>14</td>
<td>Beginning Drawing, Beginning Watercolor</td>
</tr>
<tr>
<td>Acrylic</td>
<td>Elective</td>
<td>14</td>
<td>Beginning Drawing</td>
</tr>
<tr>
<td>Botanical in Watercolor, Colored Pencil and Pen &amp; Ink</td>
<td>Elective</td>
<td>14</td>
<td>Pen &amp; Ink, Beginning Colored Pencil, Intermediate Watercolor</td>
</tr>
<tr>
<td>Graduation Preparation</td>
<td>Elective</td>
<td>7</td>
<td>None</td>
</tr>
</tbody>
</table>

**REQUIREMENTS**

- 13 core courses
- 3 elective courses
- 3 independent final projects
- Participation in the NCBG Graduation Exhibit