



Phipps Conservatory and Botanical Gardens  
Botanical Art & Illustration Certificate Program

**Course:** Floral Morphology for Botanical Artists

**Instructor:** Bonnie Isaac

**Instructor's email:** Isaac, Bonnie <IsaacB@CarnegieMNH.Org>

**Supplies:**

**The instructor would really like for students to dissect plants on their own during class. It always helps to have something in hand to look at. Please get a tree twig and a flower for the class. You won't all have the same thing but that is OK.**

**Supply List:**

- ex-acto knife, scalpel or single edge razor blade
- cutting surface (plastic or wood cutting board)
- Hand lens or loupe of some kind, 10 power ideal
- Lab book, such as a bound sketchbook, about 8x10", OR blank or graph-paper insets in your class note looseleaf
  - Pencils, such as the mechanical 0.3 or 0.5mm Pentels with leads in the HB to 2H range
  - Soft eraser (kneaded or plastic)
  - 6" see-through ruler with centimeter scale

**Recommended references:**

*Botany Illustrated:* Glimn-Lacey & Kaufman, 1984

*Guide to Flowering Plant Families:* Zomlefer, 1994

*How to Identify Flowering Plant Families:* John Philip Baumgardt, 1982

Manual of Vascular Plants of Northeastern United States and Adjacent Canada, 2nd ed.: Henry A. Gleason and Arthur Cronquist, 1991

*Plant Form:* Adrian D. Bell, 2008

*Plant Identification Terminology:* James G. and Melinda W. Harris, 2nd edition

*The Cambridge Illustrated Glossary of Botanical Terms*: Michael Dickey and Clive King, 2000