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FALL 2012 SCHEDULE

All classes held at The State Botanical Garden of Georgia 2450 South Milledge Avenue Athens, GA 30605

BASIC BOTANY (CORE COURSE)

Robert Wyatt, Professor of Botany and Ecology (retired), University of Georgia Saturday, October 13, 8:30 am – 4:30 pm

Visitor Center, Classroom 2 Members \$95; non-members \$105

Basic Botany provides an introduction to general plant anatomy, morphology, and physiology, with an emphasis on relating form to function. Using live material and slides, students will make detailed observations of root, stem, and leaf tissues and discuss the processes of water and nutrient movements. The mechanisms of flower pollination, seed dispersal, and germination will be explored, along with the basics of plant genetics, photosynthesis and evolution.

Learn to Love the Sedges (Elective Course)

Dr. Richard Carter, Botany Professor, Valdosta State University

Saturday, September 8, 8:30 am – 12:30 pm

Visitor Center, Classroom 2 Members \$45; non-members \$50

Students will be introduced to the most important genera of sedges in Georgia with both field and laboratory exercises, learning the terminology and morphology that are unique to the sedge (Cyperaceae) family and essential for identification.

PLANT CONSERVATION: PROTECTING PLANT DIVERSITY IN THE GARDEN AND IN THE WILD (CORE COURSE) –addition the class was postponed from Summer 2012

Jennifer Ceska, Conservation Coordinator, and Jim Affolter, Dir. of Research, State Botanical Garden Saturday, September 22, 8:30 am – 4:30 pm TENTATIVE DATE

Visitor Center, Classroom 2 Members \$95; non-members \$105

Plant conservation is an applied science that draws upon many fields of knowledge from ecology to horticulture, to ethics and politics. This course surveys threats to biodiversity in Georgia and worldwide, examples of rare plant research, techniques for restoration and reintroduction, and ways individuals and organizations are making a difference in protecting the rare plants of Georgia. Class will include demonstrations, hands-on activities, group discussions, tours of threatened species collections, and visits to the conservation research lab and the Outdoor Propagation Area for Rare Plants at the State Botanical Garden.

Fall Wildflowers (Elective Course)

Linda Chafin, Conservation Botanist, State Botanical Garden of Georgia

Thursday, October 4, 8:30 am - 12:30 pm

Visitor Center, Classroom 2 Members \$45; non-members \$50

Students will be introduced to the basic botanical terminology used in identifying and describing fall-flowering plants, with an emphasis on the terminology unique to plants in the Aster (composite) Family. We will then apply that knowledge to plants in the field, learning to recognize families, genera, and species based on characteristics readily observable in the wild.

Love those Natives! Growing Georgia's Native Plants from Seed (Elective Course)
Anne Shenk, Director of Education, State Botanical Garden of Georgia
Wednesday, October 24, 8:30 am – 12:30 pm
Visitor Center, Classroom 2 Members \$45; non-members \$50

The morning will begin with a seed-collecting walk in the International and Shade Gardens followed by a session on seed cleaning and storage. A hands-on indoor session will emphasize techniques for propagating native wildflowers and shrubs by seed. Models for inexpensive grow-light systems as well as a propagation timeline will be provided to ensure that your seedlings are ready to be transplanted outdoors in early spring. Participants will leave with several types of seed to propagate at home.

Warm-Season Grasses (Elective Course)—CANCELED
Elaine Nash, Naturalist, Conyers, Georgia
Saturday, October 27, 8:30 am – 12:30 pm
Visitor Center, Classroom 2 Members \$45; non-members \$50

The economic and ecosystem functions of grasses will be reviewed, and basic terminology useful in grass identification will be presented. Students will work with fresh specimens to learn the parts of the grass plant, with an emphasis on vegetative characteristics, that are useful in field identification. The last two hours will be spent in the field examining a variety of native and exotic grasses. Bring a small knife and hand lens.