



California Naturalist Training

Saturdays, February 22 – May 10, 2014
Santa Barbara Botanic Garden & UCSB Natural Reserves

Class meets Saturdays from 9:00 am – 2:00 pm or 4:00 pm, depending on location and activities. In addition to Santa Barbara Botanic Garden, classes will be held at UCSB, SB Museum of Natural History, SB Watershed Resource Center, Carpinteria Salt Marsh, Coal Oil Point and Sedgwick UCSB Natural Reserves and the Arroyo Hondo Preserve.

- *Each week includes a discussion of a reading assignment from *The California Naturalist Handbook* (required text; assignments listed below). Supporting reading is assigned from *The Naturalist's Guide to the Santa Barbara Region* (Joan Lentz). Both course texts are available at a discount to course participants (SBBG Gift Shop).*
- *Requirements for certification include: completion of all reading, attendance, nature journal, one entry in iNaturalist, and a capstone project). For academic credit written discussion answers are required for reading (credit available through UC Davis for \$80 fee following completion of the course).*

Week 1: February 22, 9am- 2pm. Santa Barbara Botanic Garden

Topic: Introduction to the California Naturalist Program and California's Natural Resources

Staff: Frederique Lavoipierre, Education Program Manager, SBBG, and Kate McCurdy, Resident Director, Sedgwick Reserve

Guests: Dr. Steve Windhager, Executive Director, SBBG (welcome) Cathy Rose, SBBG docent (journaling), Program graduates

Fieldtrip: Tour of Santa Barbara Botanic Garden and overview of course topics

Reading: Chapter 1, *California Natural History and the Role of Naturalists*

Week 2: March 1, 9am – 4 pm. UCSB Center for Biodiversity and Ecological Restoration

Topic: Interpretation, Communication, and Citizen Science

Staff: Kate

Guest: Andy Lanes, Cheadle Center for Biodiversity and Ecological Restoration, Coal Oil Point docents

Fieldtrip: Deveraux Slough and Coal Oil Point Reserve (both at UCSB)

Reading: Chapter 8, *Interpretation, Communication, and Citizen Science*

Week 3: March 8, 9 am – 4 pm. SB Watershed Resource Center (am); Carpinteria Salt Marsh Reserve (pm)

Topic: Water Resources: Watershed Ecology from the Mountains to the Ocean

Staff: Frederique

Guest: Penny Owens, Santa Barbara Channelkeeper, Andrea Adams-Morden, docent

Fieldtrip: Carpinteria Salt Marsh Reserve

Reading: Chapter 3, *Water*

Week 4: March 22, 9 am – 5 pm. Sedgwick Reserve (optional overnight on 3/21 and/or 3/22)

Topic: Oak Woodlands and Riparian Habitats

Staff: Kate

Guest: Dr. Bob Muller, SBBG, Sedgwick docents

Fieldtrip: Sedgwick Reserve

Reading: Chapter 5, *Forest, Woodland, and Range Resources and Management*

Week 5: March 29, 9 am – 2 pm. SB Museum of Natural History

Topic: Geology, Soils and Climate

Staff: Kate

Guest: Dr. Tanya Atwater, Department of Earth Science, UCSB and Susie Bartz, geologist

Fieldtrip: Rocky Nook Park

Reading: Chapter 2, *Geology, Climate, and Soils*

Week 6: April 5, 9 am - 4 pm. Arroyo Hondo Reserve

Topic: Plant Communities, Invertebrates and Food Webs

Staff: Frederique

Guest: Sally Isaacson, Arroyo Hondo Preserve,

Fieldtrip: Arroyo Hondo

Reading: Chapter 4, *Plants*

Week 7: April 12, 9 am - 2 pm. Santa Barbara Botanic Garden

Topic: Energy and Global Environmental Challenges

Staff: Kate

Guest: Dr. Max Moritz, UCCE/UC Berkeley (Fire Ecology)

Field Trip: SBBG Fire Ecology tour (Max)

Reading: Chapter 7, *Energy and Global Environmental Issues*

Week 8: April 26, 9 am - 2 pm. Santa Barbara Botanic Garden

Topic: Presentation Skills (am) and Magnification (pm)

Staff: Frederique

Guest: TBD (Andy Lanes, Cathy Rose)

Field Trip:

Week 9: May 3, 9 am - 2 pm. Santa Barbara Botanic Garden

Topic: Natural History of the Channel Islands

Staff: Frederique

Guest: Denise Knapp, Director of Conservation and Research, and Steve Junak, Botanist, SBBG

Field Trip: Channel Islands tour of SBBG

Reading: *to be announced*

Week 10: May 10, 9 am - noon. Santa Barbara Botanic Garden

Graduation and Presentation of Capstone Projects

Note: No class is held on March 15 or April 19