



CALIFORNIA



NATURALIST

University of California

Agriculture and Natural Resources

March 16th- May 25th 2018

10-weeks

10 Fridays 6:00-8:30 pm, times may vary

Six Saturday Field Trips 9:00 am 3:00 pm

http://calnat.ucanr.edu/take_a_class/cic/

Lead Instructor: Hillary Holt

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CATALINA CALIFORNIA NATURALIST PROGRAM

SPRING 2018 SYLLABUS

Overview:

The mission of the UC California Naturalist Program is to foster a diverse community of naturalists and promote stewardship of California's natural resources through education and service. The Catalina Island Conservancy's program offers training on California natural history, environmental science, and natural resource, with an emphasis on the natural and cultural history of Catalina Island.

The following requirements must be met to receive UC certification as a California Naturalist:

- Assigned weekly reading and quizzes
- Course attendance
 - Absence from one evening class and one field trip is allowed. Students with additional absences must arrange with the Instructor for opportunities to make-up missed meetings and field trips.
- Three observations and three identifications entered into the Catalina iNaturalist for all species:
 - [Cat Cal Nat 1.0](#)
 - [Invasive Plants of Santa Catalina Island](#)
- Participation in class citizen science project, Project Budburst (more detail to be provided in class)
- Weekly nature journal must be maintained for the duration of the course.
- Capstone project
 - Participants are required to complete a volunteer service project in one of four areas: Stewardship, Education/Interpretation, Citizen Science and Conservation. The Capstone project provides an opportunity for participants to integrate the in-class material with an

applied work project that is done in conjunction with a natural resource agency or organization. Participants are encouraged to work in teams when appropriate, and in the final class will deliver individual or group presentations on the projects. Presentations will be 5 minutes long per person (i.e. 15 minutes for a 3-person group). The instructor will provide a Capstone project proposal form, list of approved project ideas, and feedback as necessary. Participants who would like to propose a Capstone project that is not on the list will have an opportunity to do so.

- **Note:** For an additional fee, participants may receive 4 credits through UC Davis Extension. More information will be available in class.

A Culture of Volunteering: Once graduated, California Naturalists are encouraged to continue to volunteer at least 40 hours/year, participating in the same sorts of tasks listed above. Volunteer hours should be logged online through the California Naturalist Volunteer Portal: <https://vms.ucanr.edu/cn>. Volunteers who log 40 hours in a given year will be recognized with an annual pin

Cancellation Policy: No refunds. If unable to complete the current course registered for, then you will be eligible to enroll in the next scheduled course without additional fees. If the Conservancy cancels a class for any reason, a full refund will be given to all enrollees. Refunds may require four weeks for processing.

Course Materials: The following course materials are strongly recommended in order to meet the course requirements:

- **Email Account:** For communication, Volunteer Portal, and iNaturalist
- **Field Notebook & Journal**
- **Pencil(s)**
- **Hand lens (10x)**
- **Binoculars**
- **Access to internet connected computer or smart phone**

Required text: The California Naturalist Handbook (de Nevers, Edelman, Merenlender; University of California Press: 2013).

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Please obtain book and complete first reading assignment prior to first class meeting and be prepared for quiz and to discuss.

Assigned Readings (to be updated): What we can learn from Islands-Interviews handout

Pioneers- E.O. Wilson, Daniel Simberloff

The Biogeography of the California Floristic Province

Fremontia-The California Channel Islands

Fremontia-Chaparral: Pure California by Richard Halsey

Recommended text: Surf, Sand and Stone by Keith Meldahl

*Oaks of California- Pavlik, Muick, Johnson, Popper

Introduction to California Chaparral- Ronald Quinn, Sterling Keeley

*Can be checked out from the Nature Center Resource Center

Course Schedule:

Evening Classes will meet from 6:00-8:30pm, except on the 4/27 and 5/25 when we will meet at 5:30-8:00pm. Field trips will depart at 8:30, and length will vary. * Subject to change

Week #	Date	Where	Course Topic	Guest Speaker	Reading
1	3/16/2018	Nature Center	Introduction and overview/Introduction and overview	Cal Nat Staff	Ch. 1 Introduction
2	3/23/2018	Nature Center	Cultural History-Tongva	Tongva representatives	Assigned Reading
2	3/24/2018	Field Trip	Cultural History-Tongva	Tongva representatives	
	3/30/2018	OFF	Easter Weekend-Off		Ch. 8 Interpretation, Collaboration, and Citizen Science
3	4/6/2018	Nature Center	Water	Steve Dickey	Ch. 3 Water
4	4/13/2018	Nature Center	Geology	John Turbeville	Ch. 2 Geology
4	4/14/2018	Field Trip	Geology	John Turbeville	
5	4/20/2018	Nature Center	Endemic Plants of Catalina/Plant Adaptations/Fire Ecology	Peter Dixon	Ch. 4 Plants
5	4/21/2018	Field Trip	Plants	Peter Dixon	
6	4/27/2018	Nature Center	Plants Forest Resources/Oak woodlands/Non-Native Herbivores/Invasive plants	Julia Parish and Dr. Denise Knapp	Ch. 5 Forest, Woodland, and Range Resources and Management

7	5/4/2018	Nature Center	Wildlife/ Evolution/Population Dynamics/Island Biogeography	Dr. Peter Sharpe	Ch. 6 Wildlife
7	5/5/2018	Field Trip	Wildlife	Dr. Peter Sharpe	
8	5/11/2018	Nature Center	Energy and Global Environmental Issues	Dr. Victoria Petryshyn-USC	Ch.7 Energy and Global and Environmental Issues
8	5/12/2018	Field Trip	Energy and Global Environmental Issues	Dr. Victoria Petryshyn-USC	Avalon Environmental/SCE
9	5/18/2018	Nature Center	Marine Biology	Linda Chilton-USC	Assigned Reading
9	5/19/2018	Field Trip	Marine Biology	Linda Chilton-USC	
10	5/25/2018	Nature Center	Capstone Presentations		

Guest Speakers:

Tongva Representatives

Craig Torres-Chia Café Collective
 Abraham Sanchez-Chia Café Collective
 Barbara Drake-Chia Café Collective
 Desiree Martinez M.S. - Pimu Catalina Island Archeology Project
 Wendy Teeter Ph.D.- Pimu Catalina Island Archeology Project
 Karimah Kennedy-Richardson-Pimu Catalina Island Archeology Project
 Cindi Alvitre Ph.D.- Pimu Catalina Island Archeology Project

Steve Dickey-Hydrogeologist, Dudek

John Turbeville-Professor of Geology and Oceanography, Mira Costa College

Peter Dixon-Native Plant Manager, Catalina Island Conservancy

Julia Parish- Invasive Plant Manager, Catalina Island Conservancy

Denise Knapp Ph.D.- Director of Conservation and Research, Santa Barbara Botanical Garden

Peter Sharpe Ph.D.- Wildlife Biologist, Institute for Wildlife Studies

Linda Chilton-Education Program Coordinator, USC Sea Grant Program

Victoria Petryshyn Ph.D.- Lecturer, USC Environmental Studies

Field trip locations:

Week 2-March 24th- Cultural History, Tongva-TBD- Wildlands of Catalina-TBD

Week 4- April 14th- Geology- Airport Road, Airport, Little Harbor

Week 5- April 21st-Plants- Haypress, Hike to Inspiration Point or White's Landing Exclosure, Little Harbor,
Native Plant Nursery

Week 7- May 5th- Wildlife- Toyon Bay, Rattlesnake Eagle's Nest

Week 8- May 12th- Energy and Global Environmental Issues- Avalon Environmental Services, SCE

Week 9- May 19th- Marine Biology- USC Wrigley, Big Fisherman Cove