1st Annual
CALIFORNIA TREE SCHOOL
El Dorado Session
June 1, 2024
El Dorado Center, Placerville, CA

Presented By:
UNIVERSITY OF CALIFORNIA
Agriculture and Natural Resources
Forest Stewardship
FIRE NETWORK
Welcome Letter

The UC ANR Forest Stewardship Team is excited to welcome you to the first annual California Tree School. This one day forestry and natural resources event will cover a wide variety of topics of interest to forest landowner, managers, and anyone who loves trees.

We want to give a special shoutout of appreciation to our colleagues at Oregon State who inspired us to take this on, and who have provided us with many hours of consultation and support.

We hope you enjoy the day.

Cheers,

Kim Ingram
UC ANR Forest Stewardship Academic Coordinator

Katie Reidy
UC ANR Post-Fire Academic Coordinator

Photo credit: Kim Ingram, UC ANR.

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Thank you to our collaborators:
### WELCOME and REGISTRATION ● 7:45-8:15 AM

Welcome to UC ANR’s first California Tree School! Sign in at the front table, grab your personal Tree School packet, and join fellow students for coffee and breakfast.

### CLASS BLOCK A ● 8:30-10:00 AM

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CLASS BLOCK B • 10:30 AM-12:00 PM

**Asking the Birds**
Instructor: Kyle Farmer
*Class Description: p.9*

**Cone Monitoring and Collecting**
Instructor: Melissa Paulsen & Spencer Lachman
*Class Description: p.7*

**Forestry Field Skills: Field Observation**
Instructor: Austin Roughton
*Class Description: p.8*

**Forest Inventory**
Instructor: Susie Kocher
*Description: p.11*

**Forest Landowner Panel**
Facilitator: Kim Ingram
*Description: p.12*

**Opportunities for DIY Broadcast Burning in the Winter**
Instructor: Rob York
*Class Description: p.10*

**Prescribed Burn Associations: Making Prescribed Burning Accessible for Landowners**
Instructor: Cordi Craig
*Class Description: p.6*

**Targeted Grazing and Wildlife Conflict**
Instructor: Dan Macon
*Class Description: p.14*
LUNCH ● 12:00-1:00 PM

Enjoy lunch and don’t forget to visit our tabling event. Afternoon sessions will begin promptly at 1:00pm.

CLASS BLOCK C ● 1:00-2:30 PM

- **Defensible Space and Home Hardening**
  Instructors: Katie Low & Kevin Marini
  *Class Description: p.13*

- **Monitoring Effects of Prescribed Fire and Fuel Reduction Treatments**
  Instructor: Tori Norville
  *Class Description: p.6*

- **Forestry Field Skills: Field Observation**
  Instructor: Austin Roughton
  *Class Description: p.8*

- **Painting Forest Prayer Flags**
  Instructor: Andie Thrams
  *Description: p.8*

- **Forest Health: Mistletoe and Tree Diseases**
  Instructor: Martin MacKenzie
  *Class Description: p.12*

- **Managing Timber Harvesting on Your Property**
  Instructor: Ariel Roughton
  *Class Description: p.10*

- **Introduction to Avenza and Base Maps (Mobile and Computer Applications)**
  Instructor: Rick Satomi
  *Class Description: p.12*
CLASS BLOCK D  •  3:00-4:30 PM

An Introduction to Taxation for Forest Landowners
Instructor: Larry Camp
Class Description: p.10

Introduction to Being-a-Naturalist
Instructor: Michelle Peeters
Class Description: p.9

Analyzing Avenza and Other Mapping Application Data
Instructor: Rick Satomi
Class Description: p.11

Painting Forest Prayer Flags
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Permitting for Fuels Reduction Projects
Instructor: Alison Deak & Yana Valachovic
Class Description: p.6

Insects of the Foothills and Forests
Instructor: Martin MacKenzie
Class Description: p.13

Targeted Grazing and Wildlife Conflict
Instructor: Dan Macon
Class Description: p.14
FIRE AS A TOOL

Monitoring Effects of Prescribed Fire and Fuel Reduction Treatments
Class Block C (1:00-2:30 PM)

This course will cover the basics of monitoring treatments for different fuel reduction and stewardship practices. This includes the effects of prescribed fire implementation.

Instructor: Tori Norville, Extension Fire Advisor, UC ANR.

Permitting for Fuels Reduction Projects
Class Block D (8:30-10:00 AM)

This class will help you think about what you need to know before you get involved in taking on a grant, filing a harvest plan, or joining a community fuels reduction project. We will cover the likely environmental review, necessary permitting required to meet to meet federal, state, county, or local standards for prescribed fire, pile burning, or implementing commercial or grant-funded fuel reduction projects. Smoke management plans will also be discussed.

Instructors: Alison Deak, Extension Fire Advisor, UC ANR & Yana Valchovic, Extension Forestry Advisor, UC ANR.

Prescribed Burn Associations: Making Prescribed Burning Accessible for Landowners
Class Block B (10:30 AM-12:00 PM)

Discussion of the importance of private landowners using the application of prescribed burning as a forest stewardship and fuels management tool. Prescribed Burn Associations (PBAs) are community groups dedicated to making prescribed fire a more accessible tool for private landowners by reducing barriers and emphasizing education and on-the-ground training opportunities.

Instructor: Cordi Craig, Prescribed Fire Program Manager, Placer RCD.
Innovative Biomass and California Forest Products
Class Block A (8:30-10:00 AM)

California’s continuous efforts in reaching its emission reduction goals presents great opportunities for the development of a state-wide bioeconomy. This topic will go over the basics of woody biomass and focus on the current development of biomass-based products and innovative wood products. This class will also demonstrate the benefits, challenges, and opportunities related to these products and how different stakeholders can engage.

Instructor: Cindy Chen, Extension Woody Biomass Advisor, UC ANR.

Cone Monitoring and Collecting
Class Block B (10:30 AM-12:00 PM)

This class will comprises of an overview of the reforestation process, from survey to collection to planting, and efforts in California to increase the capacity and rate of reforestation statewide.

Instructors: Melissa Paulsen, Northern California Reforestation Coordinator, Sierra Nevada Alliance & Spencer Lachman, Reforestation Assistant, American Forests

Residential Pile Burning
Class Block A (8:30-10:00 AM)

FIELD CLASS: DRESS FOR THE WEATHER. Learn the ins and outs of building burn piles for burning woody material from stewardship activities.

Instructors: Tori Norville & Katie Low, Extension Fire Advisors, UC ANR.

Photo credit: USDA.
FOREST ART AND FOREST PRODUCTS

Painting Forest Prayer Flags
Class Block C (1:00-2:30 PM) & Class Block D (3:00-4:30 PM)

FIELD CLASS: DRESS FOR THE WEATHER. Join Andie’s ForestSong project and create Forest Prayer Flags* to evoke what is seen and experienced beneath the trees. Step-by-step painting processes with watercolor will explore biophilia—that rich human pleasure that comes from being surrounded by living organisms. We’ll also use ink and wildfire charcoal to address solastalgia—the emotional pain that comes from witnessing environmental degradation in places we love. Participants will take home their own Forest Prayer Flags, holding their wishes and images, ready to hang at home or in a favorite forest.

Instructor: Andie Thrams, Visual Artist.

Photo credit: Grace Dean, UC ANR.

FOREST EXPLORATION

Forestry Field Skills- Field Observation
Class Block B (10:30 AM-12:00 PM) & Class Block C (1:00-2:30 PM)

FIELD CLASS: DRESS FOR THE WEATHER. Learn the basics of making observations, asking questions and recording ideas in ways that help all-ages understand the forest through a foresters’ lens. Participants will practice key nature journaling skills and observation techniques outdoors.

Instructor: Austin Roughton, Forestry Youth Education Coordinator, UC ANR.
Introduction to Being a Naturalist
Class Block A (8:30-10:00 AM) & Class Block D (3:00-4:30 PM)

FIELD CLASS: DRESS FOR THE WEATHER. This engaging session will call upon your sense of wonder as we explore the environment, record our observations, and introduce the main concepts of being a naturalist, including participatory science with the iNaturalist app.

Instructor: Michelle Peeters, Environmental Stewards Communication Specialist, UC ANR.

Asking the Birds
Class Block B (10:30 AM-12:00 PM) & Block D (3:00-4:30 PM)

FIELD CLASS: DRESS FOR THE WEATHER. This in-depth session will use the example of local birds to demonstrate trade-off decision making.

Instructor: Kyle Farmer, Board Member, Peregrine Audubon Society.

Fun with Forest Food
Class Block A (8:30-10:00 AM)

Learn about the variety of edible and medicinal plants found in Sierra Nevada forests.

Instructor: Kitty Opplinger, Community Health and Nutrition Advisor, UC ANR.

Photo credit: Kim Ingram, UC ANR.
An Introduction to Income Taxation for Landowners
Class Block D (3:00-4:30 PM)

The world of taxes for forest landowners can be difficult to navigate. This course is an introduction to tax basics: organization of record and discussion of applicable sections of Federal and State income tax (including cost share payments, casualty losses, and periodic timber sales, and the California Timber Yield Tax).

Instructor: Larry Camp, Landowner and retired IRS Forester.

Managing Timber Harvesting on Your Property
Class Block C (1:00-2:30 PM)

This course is an introduction to the timber harvest plan process including discussion of relevant rules and regulations, landowner requirements, and working with Registered Professional Foresters and Licensed Timber Operators to see a project to completion.

Instructor: Ariel Roughton, Research Station Manager, Berkeley Forests

Opportunities for DIY Broadcast Burning in the Winter
Class Block B (10:30 AM-12:00 PM)

This class will review permitting, which can be less restrictive during the winter period. It also suggests techniques for conducting small scale controlled burns that you can do by yourself. Broadcast burning is a safe, cheap, and effective tool for ecological restoration, fire hazard reduction, and even wellness.

Instructor: Rob York, Cooperative Extension Specialist, UC ANR.
Forestry Field Skills- Compass Use and Navigation
Class Block A (8:30-10:00 AM)
FIELD CLASS: DRESS FOR THE WEATHER. Learn the basics of pacing in the woods and using a compass to navigate, two valuable field skills that all-ages can enjoy and use to better understand the world through a foresters' lens.

*Instructor: Austin Roughton, Forestry Youth Education Coordinator, UC ANR.*

Forest Inventory
Class Block B (10:30 AM-12:00 PM)
FIELD CLASS: DRESS FOR THE WEATHER. Gain an understanding of essential tools that Foresters and other natural resource professionals use, in order to survey, map, and understand the composition of a forested landscape. These tools and skills can help you in your natural resources career or simply understand your private forested lands and better ways to manage it.

*Instructor: Susie Kocher, Extension Forestry Advisor, UC ANR.*

Analyzing Avenza and Other Mapping Application Data
Class Block D (3:00-4:30 PM)
This class will go in depth on the various applications forest landowners can use to analyze property features. Gain hands on experience working with digital data and learn about various tools used to build property maps. You must have Avenza downloaded on your phone.

(download: [https://store.avenza.com/pages/app-features](https://store.avenza.com/pages/app-features)).

*Instructor: Rick Satomi, Extension Forestry Advisor, UC ANR.*
**CLASS DESCRIPTIONS**

El Dorado

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**GETTING TO KNOW YOUR FOREST**

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**Introduction to Avenza and Base Maps (Mobile and Computer Applications)**

Class Block C (1:00-2:30 PM)

In this class we will talk about how mapping can help with stewardship and introduce the commonly used app Avenza. Avenza is used to collect and manage digital data records to track critical forest features. You must have Avenza downloaded on your phone. (download: https://store.avenza.com/pages/app-features).

*Instructor: Rick Satomi, Extension Forestry Advisor, UC ANR.*

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**Landowner Panel**

Class Block B (10:30 AM-12:00 PM)

Join a panel of forest landowners in discussions around their successes in forest management and barriers they have faced as they strive towards stewarding a healthy and resilient forest.

*Facilitator: Kim Ingram, Forest Stewardship Academic Coordinator, UC ANR.*

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**INSECTS AND DISEASES**

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**Forest Health- Mistletoe and Tree Diseases**

Class Block C (1:00-2:30 PM)

This class will cover fungal, fire and drought impact on trees, and what recreationists should know about the actions of decay fungi in our forests.

*Instructor: Martin MacKenzie, Plant Pathologist, USFS.*
INSECTS AND DISEASES

Invasive Pests of the Forest
Class Block A (8:30-10:00 AM)

Come find out what an invasive species is and learn about those that threaten our California Forests. This course will include information on plant diseases and insects.

Instructor: Mackenzie Patton, Extension IPM Advisor, UC ANR.

Insects of the Foothills and Forests
Class Block D (3:00-4:30 PM)

This class will teach you how to identify the common tree-damaging pests of the region, and introduce potential approaches for managing them.


MANAGING VEGETATION

Defensible Space and Home Hardening
Class Block C (1:00-2:30 PM)

This course will teach you all you need to know about home hardening so you can reduce fire risk on your forestland. We will explore the different methods of assessing the risk level of your property and the different techniques and tools that can be used for home hardening projects.

Instructors: Katie Low, Extension Fire Advisor, UC ANR and Kevin Marini, Community Education Specialist, UC ANR.
MANAGING VEGETATION

Sprayer Calibration and Nozzle Selection
Class Block A (8:30-10:00 AM)

FIELD CLASS: DRESS FOR THE WEATHER. In this course, participants will learn how to properly calibrate a backpack sprayer. Proper calibration ensures that the correct amount of pesticide is being applied and that the application is following the label. The session will also show how to choose the best application method for applying herbicides and choosing the best nozzle.

Instructor: Scott Oneto, Extension Farm Advisor, UC ANR.

Targeted Grazing and Wildlife Conflict
Class Block B (10:30 AM-12:00 PM) & Class Block D (3:00-4:30 PM)

Grazing is a tool to manage vegetation for fuel mitigation, biodiversity, and system health. Learn how to implement grazing into forest and rangelands for long-term resiliency. Participants will also learn nonlethal techniques for reducing wildlife conflict.

Instructor: Dan Macon, Extension Livestock Advisor, UC ANR.
How to Register

1. Visit the registration page or scan the QR code to the right.
2. Select which classes you would like to attend.
3. Registration is $70. Card payments only. Need-based scholarships available by request.

What does my registration fee include?
Registration fee covers class materials (unless otherwise noted in class description), parking, lunch, and coffee breaks.

When does the registration form close?
The registration form will close on May 11th at 5 PM. Remember to register early! Classes may fill up before the registration deadline.

Should I register for both Tree School locations?
We recommend attending the location that best suits your management goals and learning objectives.

How do I obtain a need-based scholarship?
Email Kim Ingram, Forest Stewardship Academic Coordinator at kcingram@ucanr.edu.
FACILITY MAP
El Dorado

EL DORADO CENTER
6699 CAMPUS DRIVE, PLACERVILLE, CA 95667
(530) 642-5644 | www.flc.losrios.edu

Public Transit Note: El Dorado Transit buses make regular stops at the El Dorado Center.

1 Building A
Classrooms A-101 through A-214
Library

2 Building B
First Floor
Admissions & Records
Associated Students (B-143)
College Administration
College Police (B-120)
Conference Room (B-132)
Counseling
DSPS (B-122)
Prairie Falcon Room (B-141)

First Floor continued
Student Lounge
Student Services

Second Floor
Conference Room (B-249)
Faculty Offices

3 Building C
Classrooms C-101 through C-217
Community Room (C-102)
Computer Lab (C-210)
English Center (C-213)
Tutoring Center (C-204 inside Computer Lab)

4 Fitness Center

5 Campus Services
Custodial
Facilities Management/Grounds
Maintenance
Receiving

Directions
From the Sacramento area, take Highway 50 east towards Placerville. Take the El Dorado Road exit and turn left at the first stop sign off the highway. Continue on this road for 1.3 miles. Turn left at the first traffic signal (Missouri Flat Road). Continue on Missouri Flat Road (which becomes Green Valley Road) for 1.5 miles. Turn right on Campus Drive, which is just past the El Dorado County Office of Education and elementary school.

From the Lake Tahoe area, take Highway 50 west towards Sacramento. Take the El Dorado Road exit and turn left at the first stop sign off the highway. Continue on this road for 1.3 miles. Turn left at the first traffic signal (Missouri Flat Road). Continue on Missouri Flat Road (which becomes Green Valley Road) for 1.5 miles. Turn right on Campus Drive, which is just past the El Dorado County Office of Education and elementary school.