SESSION 1
Lake Tahoe 101 and Research at Lake Tahoe

Monday, June 5, 2023 (1:00 – 5:00 p.m.)
Optional Happy Hour (5:00 – 6:00 p.m.)

LOCATION: Zoom Webinar or UC Davis Tahoe Science Center Room 141,
291 Country Club Drive, Incline Village, Nevada

1:00-2:00 p.m. OPTIONAL: Guided Tour of the UC Davis Tahoe Science Center
Presentation by Heather Segale, Alison Toy, and Wyatt Grognet

2:00-2:30 p.m. Welcome / Introductions / Ice Breaker

2:30-2:40 p.m. Short Break

2:40-3:50 p.m. Lake Tahoe 101: Lake of the Sky – The Story of Lake Tahoe
Presentation by David Antonucci, Civil & Environmental Engineer
• Facts and Trivia
• Natural History
• Bathymetry of the Lake Bottom
• Cultural and Environmental History
• Limnology and Climate
• Environmental Issues
• Questions and Answers

3:50-4:00 p.m. Short Break

4:00-5:00 p.m. Everything You Wanted to Know About Lake Tahoe But Were Afraid to Ask
Presentation by Dr. S. Geoffrey Schladow, Director, UC Davis TERC
• State of the Lake
• Lake Clarity Modeling
• Climate Change
• Invasive Species Research
• Mysis shrimp removal project
• Microplastics
• Other Research Information and Updates
• Questions and Answers

5:00-6:00 p.m. Happy Hour
SESSION 2
Geology, Forest Ecology, Education Center Tour

Monday, June 12, 2023 (1:00 – 5:00 p.m.)

LOCATION: Zoom Webinar or UC Davis Tahoe Science Center Room 141, 291 Country Club Drive, Incline Village, Nevada

1:00-2:00 p.m. Geology of the Lake Tahoe Basin
Presentation by Annie Kell, Geologist
- Geology of the region
- The greater tectonic activity of the region
- Lake Tahoe Basin formation
- A timeline of Tahoe’s formation
- Glacial History
- Underwater Landslide
- Bathymetry
- Expectation of earthquakes and other geologic hazards
- Questions and Answers

2:00-2:45 p.m. Forest Ecology at Lake Tahoe
Presentation by Dr. Patricia Maloney, Associate Director, UC Davis TERC
- Forest Health
- Climate Change
- Questions and Answers

2:45-3:00 p.m. Break

3:00-5:00 p.m. Guided Geology and Forestry Hike (optional)
Presentation by Frances Pierce and Patricia Maloney
- Drive to Eagle Rock and Blackwood Canyon/Cave Rock/Picnic Rock
SESSION 3
On the Lake UC Davis Research

Wednesday, June 14, 2023 (10:00 a.m. – 12:00 p.m.)

LOCATION: Tahoe City Marina
700 N. Lake Blvd.
Tahoe City, CA 96145

8:00-10:00 a.m. Boat Trip #1 on the Research Vessel John LeConte

10:00-12:00 p.m. Boat Trip #2 on the Research Vessel John LeConte

Presentation by Brant Allen, UC Davis Boat Captain & Field Station Manager

- View Lake Tahoe’s watershed
- Lake research and monitoring
- Regular lake sampling
  - Clarity measurements (using the Secchi disk)
  - Nutrient and Algae sampling (using the Van Dorn sampler)
  - Zooplankton (using the plankton net)
  - NASA buoys and research
  - Questions and answers

Note: Liability waiver must be signed to participate
DOCENT TRAINING EXTRA
For those intending to become volunteer docents

Friday, June 16, 2023 (10:00 a.m. – 12:00 p.m.)

LOCATION: Zoom Webinar or UC Davis Tahoe Science Center Room 141, 291 Country Club Drive, Incline Village, Nevada

Video Links at https://tahoe.ucdavis.edu/docents

1:00-1:20 p.m. Volunteer Docent Program Overview
- Mission and Goals
- Major Themes & Talking Points
- Docent Resources
- Question and Answers

1:20-1:50 p.m. Overview of Exhibits of the Tahoe Science Center
Presentation by Heather Segale, Education Program Director
- Hike through the Docent Binder
- Major Themes & Talking Points
- Sign-up for shifts and check manifest

1:50-2:00 p.m. Short Break

2:00-2:30 p.m. Exhibits of the Tahoe Science Center
Exhibit Rotation #1
- Donor Wall, Reception Desk, Survey iPads, Tahoe Watershed Map, Research Vessel John Le Conte, Microplastics Exhibit, and Research in Action Wall (Alison)

2:30-3:00 p.m. Exhibits of the Tahoe Science Center, continued
Exhibit Rotation #2
- Large Monitor, Virtual Biology Lab, Aquariums, Live Organisms, and Microscope (Wyatt)

3:00-3:30 p.m. Exhibits of the Tahoe Science Center, continued
Exhibit Rotation #3
- 3D Theater, AR Sandbox, Docent Room, Touch Screen Monitor, Donation Buoy, Project WET booklets, and Children’s Corner (Heather)

3:30-4:00 p.m. Exhibits of the Tahoe Science Center, continued
Exhibit Rotation #4
- Field Trip Room, Glasses cleaning, Kitchen, Lake Conditions Exhibit, Green Building Exhibits, Take Care Mural, and Hands-on exhibits (Keeley)
**DOCENT TRAINING HOMEWORK**
**For those intending to become volunteer docents**

Watch video on your own time: https://youtu.be/eKOEp3amypU  
Introduction to UC Davis TERC and Docent Program Information  
*Presentation by Heather Segale, Education and Outreach Director and Alison Toy, Volunteer Docent Manager*  
- TERC mission, facilities, and research  
- Docent program description and expectations  
- Safety

Watch video on your own time: https://youtu.be/PEpKb6H4LG4  
Online Docent Resources  
- New sections of Docent Manual  
- Navigating video resources on the UC Davis Tahoe YouTube Channel  
- Social Media  
- Reviews: Yelp, TripAdvisor, Google

Watch video on your own time: https://youtu.be/F_4aoq4qlCs  
Geology of the Lake Tahoe Basin  
*Presentation by Annie Kell, University of Nevada, Reno*  
- Geology of the region  
- Lake Tahoe Basin formation  
- Glacial History  
- Underwater Landslide  
- Bathymetry  
- Expectation of earthquakes and other geologic hazards

Watch video on your own time: https://youtu.be/sMCw8nI1yxo  
Stories of Tahoe and Research  
*Presentation by Dr. Charles Goldman, Professor Emeritus, UC Davis*  
- Teaching limnology  
- Six decades of research at Lake Tahoe with the Tahoe Research Group  
- Changes at Lake Tahoe  
- Sewage, Algal Growth, and Bioassays  
- Science Impacts on Tahoe’s Future  
- Greatest Contribution

**MORE ON YOUR OWN**

2. Sign up for 2 shadowing dates  
3. Sign up for your first shift! You can partner up if desired.  
4. *Attend monthly lectures (as interest and time allows)*