

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

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| 1:00-2:00 p.m. | OPTIONAL: Guided Tour of the UC Davis Tahoe Science Center
<i>Presentation by Heather Segale, Alison Toy, and Wyatt Grognet</i> |
| 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
<i>Presentation by David Antonucci, Civil & Environmental Engineer</i> <ul style="list-style-type: none">• 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
<i>Presentation by Dr. S. Geoffrey Schladow, Director, UC Davis TERC</i> <ul style="list-style-type: none">• State of the Lake• Lake Clarity Modeling• Climate Change• Invasive Species Research• <i>Mysis</i> 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>

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| 1:00-1:20 p.m. | Volunteer Docent Program Overview <ul style="list-style-type: none">• 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
<i>Presentation by Heather Segale, Education Program Director</i> <ul style="list-style-type: none">• 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
<i>Exhibit Rotation #1</i> <ul style="list-style-type: none">• Donor Wall, Reception Desk, Survey iPads, Tahoe Watershed Map, Research Vessel John Le Conte, Microplastics Exhibit, and Research in Action Wall (<i>Alison</i>) |
| 2:30-3:00 p.m. | Exhibits of the Tahoe Science Center, continued
<i>Exhibit Rotation #2</i> <ul style="list-style-type: none">• Large Monitor, Virtual Biology Lab, Aquariums, Live Organisms, and Microscope (<i>Wyatt</i>) |
| 3:00-3:30 p.m. | Exhibits of the Tahoe Science Center, continued
<i>Exhibit Rotation #3</i> <ul style="list-style-type: none">• 3D Theater, AR Sandbox, Docent Room, Touch Screen Monitor, Donation Buoy, Project WET booklets, and Children's Corner (<i>Heather</i>) |
| 3:30-4:00 p.m. | Exhibits of the Tahoe Science Center, continued
<i>Exhibit Rotation #4</i> <ul style="list-style-type: none">• Field Trip Room, Glasses cleaning, Kitchen, Lake Conditions Exhibit, Green Building Exhibits, Take Care Mural, and Hands-on exhibits (<i>Keeley</i>) |

DOCENT TRAINING HOMEWORK

For those intending to become volunteer docents

- Watch video on your own time: <https://youtu.be/eKOE3amypU> 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
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- Watch video on your own time: https://youtu.be/F_4aoq4qICs 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/sMCw8n1yx0> 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

1. Review Docent Manual (PDF available at <https://tahoe.ucdavis.edu/docents>)
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)*