

**SESSION 1**  
**Lake Ecology and Lab Tours**

Tuesday, June 24, 2025 (1:00 – 5:00 p.m.)

LOCATION: UC Davis Tahoe Science Center Room 141,  
201 Country Club Drive, Incline Village, Nevada

- 1:00 – 1:30 p.m. Welcome / Introductions / Ice Breaker
- 1:30 – 2:30 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
- 2:30 – 3:20 p.m. Lake Ecology at Lake Tahoe  
*Presentation by Steve Sadro, Associate Professor, UC Davis*
- Small lakes in the Sierra
  - Climate change impact on aquatic ecology
  - Questions and answers
- 3:20 – 3:30 p.m. Short break
- 3:30 – 4:30 p.m. Lake Tahoe Topics and Research Projects  
*Presentations by Various UC Davis TERC Researchers*
- Tahoe's Food Web & AIS – Michael Cane
  - Nearshore Algae, Drones and GIS – Brandon Berry
  - Microplastics – Steven Sesma
  - Forest Ecology – Camille Jensen
- 4:30 – 5:00 p.m. OPTIONAL: TERC Laboratory Tour  
*Presentations by Various UC Davis TERC Researchers*
- Forest Ecology Lab – Camille Jensen
  - Biology Lab – Aaron Vanderpool
  - Chemistry Labs – Steven Sesma

**SESSION 2****Lake Tahoe 101 and Research at Lake Tahoe**

Thursday, June 26, 2025 (1:30 – 4:30 p.m.)

LOCATION: UC Davis Tahoe Science Center Room 141,  
201 Country Club Drive, Incline Village, Nevada

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| 12:30 – 1:30 p.m. | <i>Optional – Tahoe Science Center tour</i>   |
| 1:30 – 2:20 p.m.  | Geology of the Lake Tahoe Basin<br><i>Presentation by Dr. Kenneth Verosub, UC Davis</i> <ul style="list-style-type: none"><li>• Formation of Lake Tahoe</li><li>• Faulting / Earthquakes</li><li>• Volcanic Activity</li><li>• Glaciation</li><li>• Landslides</li><li>• Questions and Answers</li></ul>  |
| 2:20 – 2:30 p.m.  | Break   |
| 2:30 – 3:20 p.m.  | Everything Else You Wanted to Know About Lake Tahoe<br><i>Presentation by Stephanie Hampton, Director, UC Davis TERC</i> <ul style="list-style-type: none"><li>• State of the Lake</li><li>• Lake Physics</li><li>• Lake Clarity Modeling</li><li>• Climate Change</li><li>• Other Research Information and Updates</li><li>• Questions and Answers</li></ul> |
| 3:20 – 3:30       | Break   |
| 3:30 – 4:30       | The History of Research at Lake Tahoe and Stories of Limnology<br><i>Presentation by Dr. Charles Goldman</i>  |
| 4:30 – 5:30       | <i>Optional – Happy Hour at Alibi Ale, Incline Village</i>  |

**DOCENT TRAINING EXTRA****For those intending to become volunteer docents**

Friday, June 27, 2025 (1:30 p.m. – 4:30 p.m.)

LOCATION: UC Davis Tahoe Science Center Room 141,  
201 Country Club Drive, Incline Village, Nevada

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

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| 1:30 – 1:50 p.m. | Volunteer Docent Program Overview <ul style="list-style-type: none"><li>• Mission and Goals</li><li>• Major Themes &amp; Talking Points</li><li>• Docent Resources</li><li>• Question and Answers</li></ul>  |
| 1:50 – 2:20 p.m. | Overview of Exhibits of the Tahoe Science Center<br><i>Presentation by Heather Segale, Education Program Director</i> <ul style="list-style-type: none"><li>• Hike through the Docent Binder</li><li>• Major Themes &amp; Talking Points</li><li>• Sign-up for shifts and check manifest</li></ul> |
| 2:20 – 2:30 p.m. | Short Break  |
| 2:30 – 3:00 p.m. | Exhibits of the Tahoe Science Center<br><i>Exhibit Rotation #1</i> <ul style="list-style-type: none"><li>• Donor Wall, Reception Desk, Survey iPads, Tahoe Watershed Map, Research Vessel John Le Conte, Microplastics Exhibit, and Research in Action Wall (<i>Alison</i>)</li></ul>              |
| 3:00 – 3:30 p.m. | Exhibits of the Tahoe Science Center, continued<br><i>Exhibit Rotation #2</i> <ul style="list-style-type: none"><li>• Large Monitor, Virtual Biology Lab, Aquariums, Live Organisms, and Microscope (<i>Soffia</i>)</li></ul>  |
| 3:30 – 4:00 p.m. | Exhibits of the Tahoe Science Center, continued<br><i>Exhibit Rotation #3</i> <ul style="list-style-type: none"><li>• 3D Theater, AR Sandbox, Docent Room, Lake Conditions Exhibit, Donation Buoy, and Watershed Cubbies (<i>Heather</i>)</li></ul>  |
| 4:00 – 4:30 p.m. | Exhibits of the Tahoe Science Center, continued<br><i>Exhibit Rotation #4</i> <ul style="list-style-type: none"><li>• Field Trip Room, Glasses Cleaning, Kitchen, Take Care Mural, Hands-on exhibits and Kids station in TCES 141, Green Building Exhibits (<i>Mahren</i>)</li></ul>               |

**SESSION 4**  
**On the Lake UC Davis Research**

Monday, June 30, 2025 (8:00 – 10:00 a.m.)

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

- 8:00 – 10:00 a.m. Boat Trip on the Research Vessel John LeConte  
*Presentation by UC Davis TERC Boat Captain*
- 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*

10:00 – 12:00 p.m. *Possible second boat trip (depending on group size)*

12:00 – 1:30 p.m. *Optional – Group Lunch at Sunnyside Restaurant*

## DOCENT TRAINING HOMEWORK

### For those intending to become volunteer docents

- Watch video on your own time: <https://youtu.be/wyl45D5xLPo> Introduction to UC Davis TERC and Docent Program Information (2022 – Note that there have been some minor changes)  
*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 (2021 – Note that there have been some minor changes)
- 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/djsu0J\\_IdNA](https://youtu.be/djsu0J_IdNA) Geology of the Lake Tahoe Basin (2023)  
*Presentation by Frances Pierce, USGS (Retired)*
- 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/sMCw8nl1yxo> Stories of Tahoe and Research / Adventures in Limnology (2021)  
*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)*