

# Mountain Lakes Field Internship



The Rypel Lab (<https://sites.google.com/view/rypel-lab/home>) is looking for undergraduates to take part in the fourth year of an ongoing research project on the food web ecology of mountain lakes. During the internship, the student will learn to use gill nets for fish, handle and measure fish, collect aquatic insects and plants, and assist in the steps required to plan and execute a field-based research project. Valuable limnological field skills will be acquired, such as depth sounding to create lake bathymetric maps, measuring lake temperature and oxygen vertical profiles, casting vertical

zooplankton tows, and collecting water and particulate organic matter at discrete lake depths. This is a field-based project which requires backpacking and camping overnight in the Sierra Nevada mountains (California, USA) for most weeks between June to September 2022. Excursions are generally Monday to Thursday/Friday (3-4 nights) for 2-3 consecutive weeks, followed by 1 week out of the field to restock supplies and mend gear. Weather conditions or other factors may require this schedule to shift.



Requirements include being available for all/most trips during the summer (see above), the ability to backpack 60-75lbs for 1-3 mile hikes, and a strong desire to be outdoors gaining fieldwork experience. Students who are committed to learning new field skills in freshwater science and enjoy the outdoors would be well-suited for this opportunity. **Students who meet requirements, and would also be interested in pursuing their own research project on a related topic throughout Summer 2022, are strongly encouraged to apply (e.g., [WFCB Lloyd Swift Endowment Program](#), deadline Feb 10).** Students may enroll in internship/research credits during summer if they wish. If desired,

students are also invited to engage in Winter-Fall 2022 lab research activities to earn research credits and gain the full array of technical skills associated with a food web project.

This is a great opportunity to gain skills with hands-on freshwater ecology field methods! If interested, please contact Christine Parisek ([caparisek@ucdavis.edu](mailto:caparisek@ucdavis.edu)) as soon as possible with a short description of your Summer 2022 availability, Curriculum vitae (C.V.), and why you're interested in this internship.



Top left: Inflating a red packraft beside a mountain lake. Top right: A view into the mouth of a brown trout. Lower left: 2019 field crew. Bottom: Backpacker with pack taking rest on a mountain; sharp river visible surrounded by mountains. Image credits: Christine Parisek.