



To: Prospective Research Dive Student

From: Jason S. Herum, UC Davis Diving Safety Officer

Subject: UC Davis Scientific Diver Course, September 10 – September 29, 2023

The UC Davis Scientific Diver Certification Course trains staff and evaluates their readiness to use scuba under the auspices of UC Davis. This is accomplished through lectures, workshops, field exercises, and in-water development and evaluation of breath-hold diving and scuba diving skills. This course is an intensive program that requires significant preparation prior to attendance.

COURSE DESCRIPTION:

Scuba divers involved in subtidal research and/or training programs through an educational institution, such as UC Davis, are exempted from the Federal OSHA regulations concerning commercial diving if they have passed an approved training program. (Among other requirements). This course meets those requirements and those of the American Academy of Underwater Sciences (AAUS).

UC Davis Research Diving Course will concentrate on diving safety and planning. There will be further development of scuba skills, diving related physics, physiology, dive planning, search and recovery, accident management and diver rescue. Certifications for NAUI Scuba Rescue and Altitude Diver, DAN First Aid for Professional Divers, and AAUS Scientific Diver will be earned.

This course trains divers in the knowledge and skills needed to manage risks and handle limited in-water problems and diving emergencies. Included are: Diving 1st Aid, O₂ for diving emergencies, AED's, assists, transports, surface rescues and rescues from depth involving both boat and shore based skin and scuba divers.

Along with more development of theory and techniques related to diving, this course will provide lectures and practical application of advanced diving techniques and how to use these diving skills in a subtidal research project will be discussed and practiced.

Course Dates:

September 10 – September 29, 2023 (* eLearning requirements to be completed prior to course start dates)

***Students must complete the DAN DAFPro and AAUS Scientific Diver ELearning Modules before Sept 10** (these modules take a significant amount of time to complete, plan accordingly).

***All course prerequisite required paperwork is due on or before Fri, Sept 1.**



Course Schedule:

Session 1: September 10-16 (at Bodega Marine Lab for pool, classroom, and ocean training)

***Daily schedules will be as follows:**

Sept 10 (Sun) 10:00am - 5:30pm

Sept 11-15 (M-F) 8:30am-5:30pm

Sept 16 (Sat) 10:00am - 5:30pm

Session 2: September 25-29 (at Lake Tahoe for checkout dives and camping with CA State Parks Dive Team)

***Exact meeting times/location near Tahoe City, TBD**

-This will be an intensive course (utilize ELearning for prep, and then a series of long days at Bodega Marine Lab and Lake Tahoe (*see daily schedule for details), including evenings and some nights (*You will not have time for anything else during the week*).

- Much of the course will take place outdoors (BML pool, Horseshoe Cove Marine Reserve, Lake Tahoe Camping/Diving). Masking requirements, as well as access to classroom and other indoor facilities, will continue to be evaluated as the course approaches, and as covid policies/protocols allow.

COURSE COST:

-Course fee is: \$1,000.00 UC (*+36% *NUD for non-UC Clients*) and includes instructor- supplied texts, materials & certifications. (*Does not include housing and meals*)

**All training rates are subject to a Non-University Differential (NUD) assessment for non-University of California clients*

- Participants will be given a tuition invoice on or before the first day of class. Please make tuition payments payable to the "Regents of the University of California."
- UC DaFis re-charge #'s, Purchase Orders, check or cash in the exact amounts are acceptable forms of payment (*Sorry, credit card payments cannot be processed*)

HOUSING AND MEALS:

-Housing and meals are available at Bodega Marine Lab for the weekly rate during Session 1 of the course (*additional cost). Please contact Course Instructor to be added to our group reservation. Current rates and options can be found at:

<https://marinescience.ucdavis.edu/bml/facilities/housing-and-conf/accommodations>

-Camping Fees during session 2 (Lake Tahoe) will be covered by UCD/CASP. Participants are responsible for their own food and personal gear (*and making other accommodations arrangements if prefer not to camp*)



ENROLLMENT:

- Course is limited to **10** students maximum (**Priority is given to UC Davis Personnel*)
- Complete UCD Webdiver application:

<https://webdiver.ehs.ucsb.edu/webdiverapplication/UCD>

PREREQUISITES:

- Basic scuba certification
- 12 logged openwater dives (*4 cold water dives)
- Complete UCD Webdiver application:
<https://webdiver.ehs.ucsb.edu/webdiverapplication/UCD>
- All required equipment (see list below)
- Regulator and BC serviced within 12 months
- "Scientific Diver" medical clearance:
<https://marinescience.ucdavis.edu/sites/g/files/dgvnsk4981/files/inline-files/UCDDivingMedicalExam.pdf>
- DAN (or other) Diving Insurance covering hyperbaric treatment
- Pass pool and ocean swim/scuba skills tests (*first 2 days of course)

REQUIRED EQUIPMENT:

- Regulator with alternate or redundant air source. (Divers must show proof of regulator service or purchase in the previous 12 months)
- Gauges (depth, time keeping, compass, cylinder pressure)
- BCD with auto inflator compatible with the regulator
- Full exposure suit (7mm with gloves, hood, and booties)
- Small U/W slate
- Mask/snorkel
- Fins
- Knife or other cutting device
- Ocean weight belt (integrated weights ok, but also need weight belt)
- Underwater Flashlight (backup recommended)

Please contact me if you would like to be a part of this training opportunity.

Thank you for your time,
Jason

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