

Department of Civil & Environmental Engineering (CEE) Davis Site-Specific Safety Orientation & Training for New Laboratory Personnel

Prior to completing this site safety orientation and training, all laboratory personnel must have successfully completed the [UC Laboratory Safety Fundamentals](#) course. Completion of this training is required prior to personnel being granted unescorted access to the laboratory. This serves to satisfy components of the [University of California Policy - Laboratory Safety Training](#) and UC Davis policy [PPM290-56](#).

I _____ confirm receipt of training on the listed topics on
(print name, trainee)

_____ from _____. All of my questions regarding this
(date) (print name, trainer)

material have been answered. Topics have been initialed, or marked with an “X” where not applicable.

	(signature, trainee)	(signature, trainer)
Initial	Topic	Action
EMERGENCY PROCEDURES		
	Fire Alarm Pull Station:	Show location(s) and proper activation.
	Eye Wash / Safety Showers:	Show location(s) and proper operation.
	Spill Procedures	Show location of spill kit(s), SafetyNets #13 and #127 (if applicable), and describe procedures.
	First Aid Kits:	Location(s) and description of contents.
	Phone:	Location(s), detail dialing instructions, ‘911’ dialing instructions, bomb threat card.
	Emergency Response Guide:	Location(s) of flipchart guide, discuss scenario actions
	Emergency Action Plan:	Review Emergency Action Plan (EAP) . Demonstrate both paths to Emergency Assembly Area
	Warn Me:	Enroll in UC Davis Warn Me emergency alert system, recommend registering cellular phone number. https://warnme.ucdavis.edu/
ENGINEERING CONTROLS		
	Chemical Fume Hood(s):	Demonstration of proper use, instruction on adjustable controls, flow sensor function, and training requirements. How to Use a Chemical Fume Hood Safely Fume Hood Training
	Biological Safety Cabinet(s):	Complete Safe Use of Biological Safety Cabinets course
	Glass Waste Containers:	Locations. What may/may not go into containers
	Chemical Storage Location(s):	Location(s) and segregation rules, volume limits (>10 gallons requires flammable storage cabinet).
	Compressed Gas Cylinders:	Storage locations, regulators, transport, safety considerations
ADMINISTRATIVE CONTROLS		
	Laboratory Safety Manual (incl. Chemical Hygiene Plan):	Location and content description. Also, any applicable Laboratory Safety Plan(s) location and content.

Safety Data Sheets (SDSs):	Demonstrate electronic access and describe laboratory repository of hard copy SDSs, if applicable
Standard Operating Procedures (SOPs):	Location of lab's SOPs, describe required approvals. Identification of chemical processes / areas requiring specific SOP use, and laboratory safety rules.

PERSONAL PROTECTIVE EQUIPMENT

Determine Hazard-Specific Safety Training:	Consult UC Davis Training Matrix for Laboratory Personnel , enroll in courses
Personal Protective Equipment:	PPE Selection Guide
Lab Coat:	PI will provide at no cost fitted laboratory coats. Some labs/hazards require flame resistant coats.
Eye Protection:	PI will provide at no cost pair(s) of safety eyewear. Glasses must fit appropriately, be comfortable to wear, and stay securely in place. For labs where goggles must be worn provide pair(s) of fitted chemical splash goggles.
Gloves:	Location(s), provide knowledge and resources to select correct type . Instruct proper procedure to don and doff.

OTHER

Department IIPP:	Location and review: Injury and Illness Prevention Plan (IIPP)
Hazardous Waste:	Overview of laboratory hazardous waste procedures. accumulation area, proper labeling, proper storage requirements, and detail pickup/removal procedures. http://safetyservices.ucdavis.edu/article/waste
Specialized Equipment:	Review of safety procedures for proper operation. e.g., UV light, laser, high voltage equipment, autoclave , cryogen handling, high/low vacuum, etc.
Near Miss/ Hazard	Near Miss / Hazard Report If you are involved in a near miss or see a hazard let us know so that we can learn or fix the problem
Reporting a Work-related Fatalities and Serious Injuries or Illness	Reporting Work-related Fatalities and Serious Injuries or Illnesses

Describe in detail:

LAB RULES & ETIQUETTE

- Eating and drinking are never allowed in the lab
- Full length pants (or equivalent) & closed toe/heel shoes must be worn when occupying or entering a laboratory/technical area. The area of skin between the pants and shoe should not be exposed.
- Guests must be escorted at all times and adhere to all lab policies including wearing proper attire and protective equipment
- Do not prop open lab doors. A closed lab door provides a temporary fire barrier, prevents unauthorized entry and helps to maintain proper ventilation
- Do not share your lab access key
- All containers (beaker, flask, wash bottle, etc.) that are not empty must be **clearly labeled for contents & hazards (e.g. flammable, corrosive, toxic, etc.** This includes water, liquid soap, and all chemicals.