



Research Safety Program Fact Sheet

Functional Role

The Research Safety Program provides information and technical support to foster safety and health in campus laboratories for research and teaching.

Performance Objectives

- **Laboratory Inspection/Audit/Testing Programs:** Staff conducts periodic laboratory inspections of all campus labs (annually at minimum). Evaluate the extent to which lab conditions are in compliance with regulatory standards and UCSB policies. A corrective action notice is provided to each lab indicating actions necessary to achieve compliance. Staff also annually obtain chemical inventory information from labs to satisfy *CA Hazardous Materials Business Plan* requirements and to generate data for lab door placard program. Staff also annually test/certify that 500+ fume hoods meet OSHA requirements.
- **Chemical Hazard Exposure Assessment and Personal Protective Equipment Program:** Staff trains lab personnel on use of the UC online *Laboratory Hazard Assessment Tool (LHAT)* to determine appropriate personal protective equipment (PPE) to be utilized. Staff coordinates purchase/distribution/laundry of basic lab PPE (lab coats, safety glasses, gloves for pyrophoric chemical users, etc.). Educate lab community on UC *Personal Protective Equipment Policy* which dictates when/where PPE is required. Staff also provide researchers with support in development of lab-specific *OSHA Chemical Hygiene Plans* to reduce exposure risk. Staff also performs quantitative chemical exposure monitoring of regulated carcinogens to identify problematic work practices.
- **Fundamentals of Laboratory Safety Training:** Perform live training for all lab researchers to meet this requirement of *UC Laboratory Safety Training Policy* and numerous regulatory training requirements. Develop, mount and provide on-line version of this training in UC Learning Center. Provide other training as requested/needed for specialized operations/audiences. Provide lab community with *Training Needs Assessment* form/process to document their lab-specific training programs.
- **Construction of New Labs or Significant Modification:** Staff conducts design review and periodic inspections during construction to identify potential safety issues. Coordinate with construction stakeholders: Principal Investigators, project manager, contractors and other EH&S divisions, etc. Staff tests new lab ventilation (fume hoods) to ensure OSHA requirements are met. Ensure other lab infrastructure is adequate: safety shower/eyewash, hazardous materials storage areas, etc. Approve final occupancy.
- **Laboratory Safety Administration/Outreach:** To foster communication/cooperation with laboratory community, coordinate activities of the *Laboratory Safety Committee* as chaired by VC of Research; including, scheduling committee meetings, developing/offering presentations, meeting minutes and follow-up on action items. Staff also serve on *Institutional Animal Care and Use Committee* to offer EH&S expertise. Staff also manage/coordinate routine outreach/education to Department Safety Representatives based within lab departments.

Program Elements

- Lab Safety Training Delivery/Development
- Lab Construction/Renovation Oversight
- Lab Faculty Safety Orientation
- Lab Emergency Preparedness/Response
- Laboratory Inspection Program
- OSHA Chemical Hygiene Plan Program
- Hazardous Materials Door Placard Program
- Lab Personal Protective Equipment Program
- Laboratory Department Safety Rep Program
- Laboratory Safety Committee
- Chemical Inventory/Business Plan Program
- Carcinogen Tracking/Auditing
- Fume Hood Certification Program
- Field Safety Program
- Animal Care Committee
- Safety Data Sheets
- Lab coat laundering program

Regulatory Compliance

State of California

- California Code of Regulations, Title 8, Subchapter 7, Group 16, Control of Hazardous Substances
- California Code of Regulations, Title 8, Section 5191: Occupational Exposure to Chemicals in Laboratories
- California Fire Code and Building Code

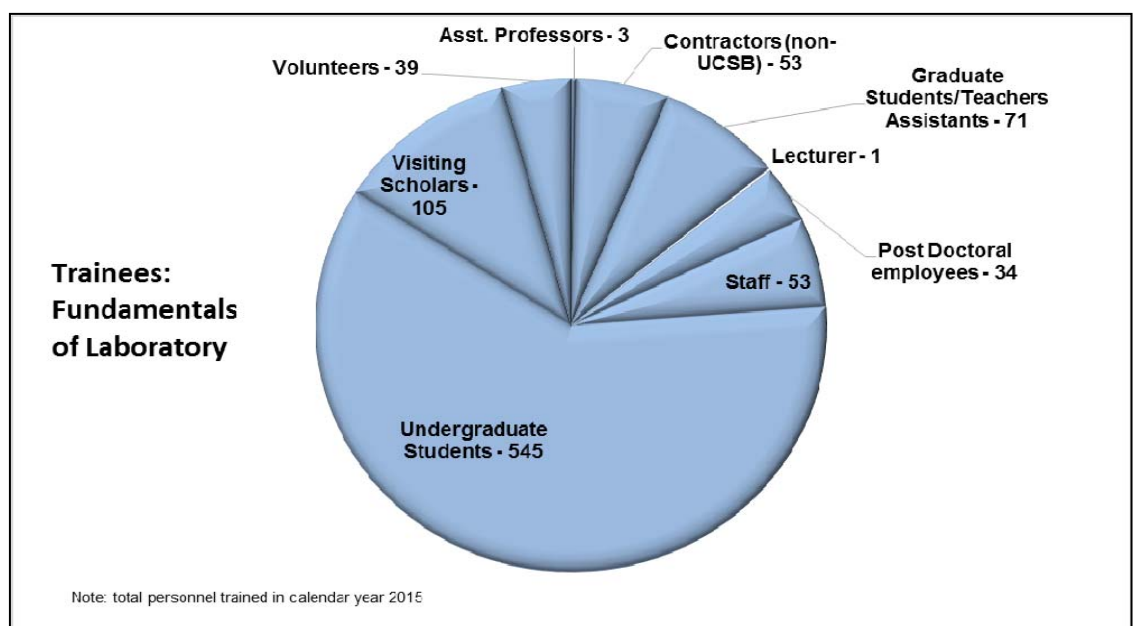
UC Policy

- Personal Protective Equipment (2014)
- Laboratory Safety Training (2013)

Program Performance Management Statistics

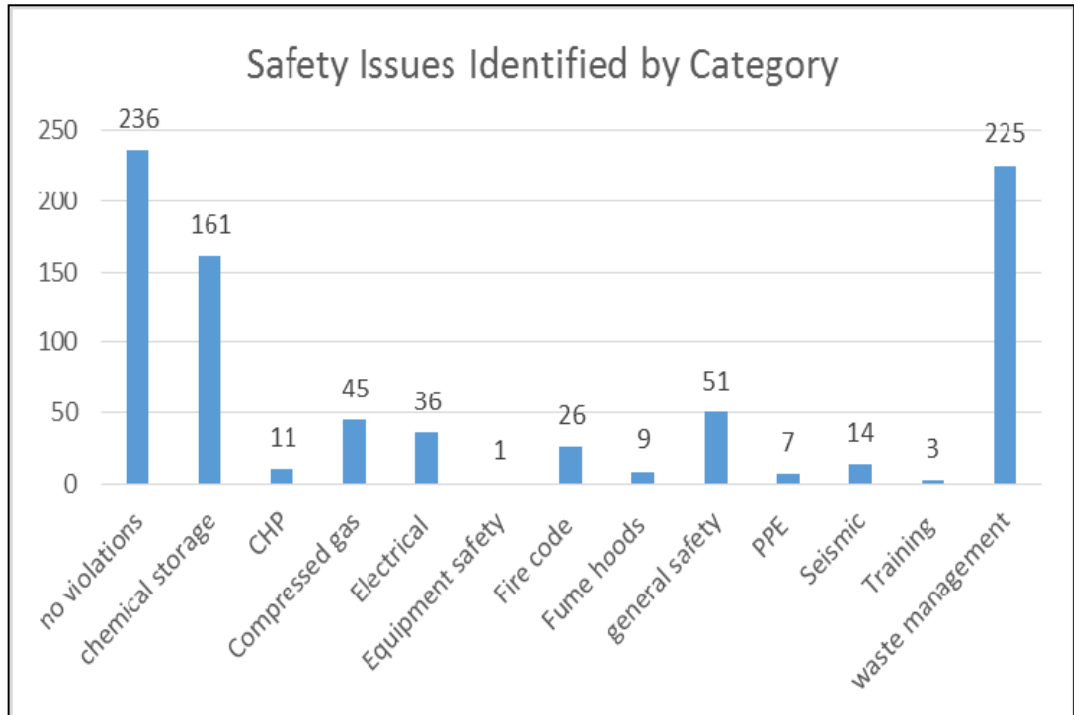
Number of individuals trained in *Fundamentals Laboratory Safety* (live and Web-based classes) for CY 2015

Measures the number of faculty, students, and/or staff trained in CY 2015.



Number of safety issues identified and corrected CY 2015.

Measures the number of safety issues identified during routine laboratory inspections by category during CY 2015.



Addition Research
Safety Performance
Measurements

Chemical Inventory Program CY 2015:

- Collect inventory data from 277 Principal Investigators
- Inspected and reported to SB County *Fire* 527 chemicals in 63 different buildings (lab and non-lab)
- Collected info from 130 Principal Investigators on use on OSHA-regulated carcinogens and follow-up as needed

Door Placard Program CY 2015:

- Review/update annually 771 door placards for emergency responders use
- Update copies of placards in emergency info

Fume Hood Program CY 2015:

- Number of fume hoods tested and certified: 663

Contact the EH&S, Risk and Emergency Services at (805) 893-7534 if you have any questions.