

UCDAVIS

ELECTRICAL & COMPUTER
ENGINEERING

INJURY AND ILLNESS PREVENTION PROGRAM



UC DAVIS

ELECTRICAL & COMPUTER ENGINEERING

INJURY AND ILLNESS PREVENTION PROGRAM

This Injury and Illness Prevention Program has been prepared by the University of California, Electrical & Computer Engineering department in accordance with University Policy (UCD Policy & Procedure Manual Section 290-15: Safety Management Program) and California Code of Regulations Title 8, Section 3203 (8 CCR, Section 3203).

ELECTRICAL & COMPUTER ENGINEERING

INJURY AND ILLNESS PREVENTION PROGRAM

TABLE OF CONTENTS

Preface Department Information

- I. Authorities and Responsible Parties**
- II. System of Communications**
- III. System for Assuring Employee Compliance with Safe Work Practices**
- IV. Hazard Identification, Evaluation, and Inspection**
- V. Accident Investigation**
- VI. Hazard Correction**
- VII. Health and Safety Training**
- VIII. Recordkeeping and Documentation**
- IX. Resources**

APPENDICES

- A. Hazard Alert Form**
- B. Job Safety Analyses**
- C. Worksite Inspection Form**
- D. Accident Investigation Form**
- E. Hazard Correction Form**
- F. Safety Training Attendance Record**

Department Information

Department Name: **Electrical & Computer Engineering**

Department Director: **Prof. Kent Wilken**

Address: **2064 Kemper Hall**

Telephone Number: **752-0583**

Buildings Occupied by Department

1. Building: **Kemper Hall**

Unit(s): **079, 083, , 121, 122, 125, 127, 131, 154, 154X, 1107, 1127, 1127A, 1207, 1209, 1217, 2001, 2003, 2031, 2035, 2037, 2038, 2039, 2040, 2041, 2064, 2064A, 2064B, 2064C, 2064D, 2064E, 2101, 2104, 2107, 2110, 2112, 2113, 2115, 2117, 2119, 2147, 2151, 2152, 2154, 2155, 2156, 2157, 2158, 2161, 2201, 2201A, 2206, 2211, 2212, 2219, 2221, 2225, 2227, 2229, 2230, 2239, 2244, 2248, ,3015, 3017, 3087, 3089, 3101, 3103, 3104, 3110, 3112, 3114, 3116, 3117, 3118, 3119, 3120, 3122, 3123, 3124, 3125, 3127, 3129, 3131, 3133, 3135, 3137, 3139, 3141, 3145, 3161A, 3161B, 3163, 3165, 3167, 3169, 3171, 3173, 3174, 3174A, 3175, 3176, 3176A, 3177, 3179, 3181, 3182, 3183, 3185, 3187, 3189, 3193**

Contact: **Lance Halsted (Safety Coordinator) / Denise Christensen (MSO)**
Phone: **752-8959 / 752-9548**

2. Building: **TB207**

Unit(s): **114, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133**

Contact: **Lance Halsted (Safety Coordinator) / Denise Christensen (MSO)**
Phone: **752-8959 / 752-9548**

3. Building: **Academic Surge**

Unit(s): **2038, 2307, 2307A, 2346, 2367, 2367A, 2393, 2394A, 2395, 2397**

Contact: **Lance Halsted (Safety Coordinator) / Denise Christensen (MSO)**
Phone: **752-8959 / 752-9548**

4. Building: **Ghausi Hall**

Unit(s): **1104, 1105, 1123, 3047**

Contact: **Lance Halsted (Safety Coordinator) / Denise Christensen (MSO)**
Phone: **752-8959 / 752-9548**

5. Building: **3820 Chiles Road**

Unit(s): **123,124,125,126,127,128,136**

Contact: **Lance Halsted (Safety Coordinator) / Denise Christensen (MSO), Lynette**

Lombardo

Phone: **752-8959 / 752-9548/ 754-9069**

I. Authorities and Responsible Parties

The authority and responsibility for the implementation and maintenance of the Injury and Illness Prevention Program (IIPP) is in accordance with University Policy (UCD Policy & Procedure Manual Section 290-15: Safety Management Program) and California Code of Regulations (8 CCR, Section 3203) and is held by the following individuals:

1. Name: **Prof. Kent Wilken**

Title: **Interim Department Chair**

Authority: Authority and responsibility for ensuring implementation of this IIPP

Signature:



Date:



2. Name: **Prof. Josh Hihath**

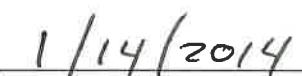
Title: **Department Safety Committee Chair**

Authority: Authority and responsibility for ensuring implementation of this IIPP

Signature:



Date:



3. Name: **Lance Halsted**

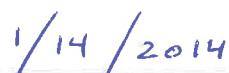
Title: **Department Safety Coordinator**

Authority: Responsible for updating and ensuring implementation of this IIPP.

Signature:



Date:



Additionally, all Principal Investigators and supervisors are responsible for the implementation and enforcement of this IIPP in their areas of responsibility in accordance with University Policy (UCD Policy & Procedure Manual Section 290-15: Safety Management Program).

ECE Safety Committee

The Electrical & Computer Engineering department has established a safety committee, consisting of faculty and staff members, to maintain the safety program of the department. This committee supports the role of the Department Safety Coordinator. Communication on safety issues within the department is enhanced by committee participation of both faculty and staff.

Duties of the ECE Safety Committee

The safety committee has the following duties and responsibilities:

- a. Coordinate activities of department/unit safety coordinators, provide direction, and facilitate the dissemination of safety information.
- b. Meet at least quarterly.
- c. Review results of inspections conducted by the department safety coordinators and audits or inspections by groups outside of the department/unit, e.g., EH&S inspections, Department of Health Services inspections.
- d. Review investigations of accidents and cases of injury and illness, and make recommendations regarding prevention.
- e. Develop strategies for implementing new safety management programs.
- f. Develop standardized procedures to make sure all students and staff using any of the labs are properly trained related to safety.
- g. Submit recommendations in response to employee safety suggestions.
- h. Coordinate department safety issues with the college and the campus.
- i. Appoint ad hoc committees as required.
- j. Keep written records of meetings and make them available to department/unit employees

II. System of Communications

1. Effective communications with **Electrical and Computer Engineering** employees have been established using the following methods:

- Standard Operating Procedures Manual
- Material Safety Data Sheets
- Monthly departmental operations meetings
- Internal media (department intranet)
- EH&S Safety Nets
- Training videos
- Safety Newsletter
- Handouts
- Building Evacuation Plan
- E-mail
- Posters and warning labels
- Job Safety Analysis – Initial Hire
- Job Safety Analysis – Annual Review
- Other (list):

ECE Department Safety web page linked to ECE Dept. homepage.

2. Employees are encouraged to report any potential health and safety hazard that may exist in the workplace. **Hazard Alert Forms (Appendix A)** are available to employees for this purpose. Forms are to be placed in the Safety Coordinator's departmental mail box. Employees have the option to remain anonymous when making a report.
3. Employees have been advised of adherence to safe work practices and the proper use of required personal protective equipment. Conformance will be reinforced by discipline for non-compliance in accordance with University policy (**UCD Procedure 62 - Personnel Policies for Staff Members, Corrective Action**).

III. System for Assuring Employee Compliance with Safe Work Practices

Employees have been advised of adherence to safe work practices and the proper use of required personal protective equipment. Conformance will be reinforced by discipline for non-compliance in accordance with University policy ([UCD Procedure 62 - Personnel Policies for Staff Members, Corrective Action](#)).

The following methods are used to reinforce conformance with this program:

1. Distribution of Policies
2. Training Programs
3. Safety Performance Evaluations

Performance evaluations at all levels must include an assessment of the individual's commitment to and performance of the accident prevention requirements of his/her position. The following are examples of factors considered when evaluating an employee's safety performance.

- Adherence to defined safety practices.
- Use of provided safety equipment.
- Reporting unsafe acts, conditions, and equipment.
- Offering suggestions for solutions to safety problems.
- Planning work to include checking safety of equipment and procedures before starting.
- Early reporting of illness or injury that may arise as a result of the job.
- Providing support to safety programs.

4. Statement of non-compliance will be placed in performance evaluations if employee neglects to follow proper safety procedures, and documented records are on file that clearly indicate training was provided for the specific topic, and that the employee understood the training and potential hazards.
5. Corrective action for non-compliance will take place when documentation exists that proper training was provided, the employee understood the training, and the employee knowingly neglected to follow proper safety procedures. Corrective action includes, but is not limited to, the following: Letter of Warning, Suspension, or Dismissal.

IV. Hazard Identification, Evaluation, and Inspection

Job Hazard Analyses and worksite inspections have been established to identify and evaluate occupational safety and health hazards.

1. Job Safety Analysis:

Job Safety Analysis (JSA) identifies and evaluates individual employee work functions, potential health or injury hazards, and specifies appropriate safe practices, personal protective equipment, and tools/equipment. JSA's have been completed for the following job categories:

- A. **Kemper Hall faculty and staff offices, conference rooms**
TB207 faculty and staff offices, conference rooms
Kemper Hall 131, 2211, 2219, 2221, 2225, 2227, 2229, 2230, 3174, 3174A
Kemper Hall 1101, 1105, 2107, 2110, 2112, 2157, 2161, 3189, 3193
Academic Surge 2346
 - General office environment
 - Teaching labs
- B. **Kemper Hall 125, 127, 154, 154X, 1207, 1217, 2212. Ghausi Hall 1123.**
 - Chemical hazards
 - Physical hazards (lasers, compressed gas)
 - General office environment
- C. **Kemper Hall 083, 2248, 3176, 3176A**
 - Chemical hazards
 - General office environment
- D. **Kemper Hall 121, 122, 1107, 3182**
 - Physical hazards (lasers, compressed gas, microwave-producing equipment)
 - General office environment
- E. **Kemper Hall 2147, 2151, 2155, 2201, 2201A**
 - Tool hazards (drill, soldering iron, drill press, Exacto knife, Dremel tool, etc.)
 - General office environment

Job Safety Analysis Forms are located in Appendix B. **Completed Job Safety Analyses are to be signed by each employee and kept on file in Kemper Hall 2064 or 2152.**

Before a person (whether an employee or not) will be given access to a research lab with safety hazards, the individual must complete the online ECE Departmental Safety Training, print safety training certificate and provide a copy to the lab supervisor.

2. Worksite Inspections

Worksite inspections are conducted to identify and evaluate potential hazards. Types of worksite inspections include both periodic scheduled worksite inspections as well as those required for accident investigations, injury and illness cases, and unusual occurrences. Inspections are conducted at the following worksites:

1) EH&S Lab Safety Reviews

This inspection covers all labs that contain chemicals, physical hazards, and/or compressed gas;

Location: **Kemper Hall 121, 125, 127, 131, 1207, 1217, 2212, 3176**
Frequency: **Annual**
Responsible Person: **Veronica Thron**
Records Location: **2152 Kemper**

2) CIS/CUPA Self-inspection

This inspection covers all labs that contain chemicals and/or compressed gas;

Location: **Kemper Hall 121, 125, 127, 131, 1207, 1217, 2212, 3176**
Frequency: **Annual**
Responsible Person: **Lance Halsted**
Records Location: **2152 Kemper**

3) Worksite Inspection & Fire Self-inspection

All offices (faculty and staff). **All labs** (teaching and research). **All conference rooms**. In addition, **all corridors** connected to any ECE office, lab or conference room. In short, these inspections cover **all ECE space**.

Location: **All ECE space as listed on p. 4**
Frequency: **Annual**
Responsible Person: **Lance Halsted**
Records Location: **2152 Kemper**

Worksite Inspection Forms are located in **Appendix C**. Completed Worksite Inspection Forms will be kept on file in Kemper Hall 2152.

V. Accident Investigation

University Policy requires that work-related injuries and illnesses be reported to Workers' Compensation within 24 hours of occurrence and state regulation requires all accidents be investigated.

Electrical & Computer Engineering faculty, staff and student employees will immediately notify their supervisor when occupationally-related injuries and illnesses occur, or when employees first become aware of such problems.

1. **Supervisors** will investigate all accidents, injuries, occupational illnesses, and near-miss incidents to identify the causal factors or attendant hazards. Appropriate repairs or procedural changes will be implemented promptly to mitigate the hazards implicated in these events. Proper injury reporting procedures can be found at <http://safetyservices.ucdavis.edu/workers-compensation>.

The **Accident Investigation Form (Appendix D)** shall be completed to record pertinent information and a copy retained to serve as documentation. It can be completed by either the supervisor or the Department Safety Coordinator.

3. **Note:** Serious occupational injuries, illnesses, or exposures must be reported to Cal/OSHA by an EH&S representative within eight hours after they have become known to the supervisor. These include injuries/illnesses/exposures that cause permanent disfigurement or require hospitalization for a period in excess of 24 hours. Please refer to EH&S SafetyNet #121 for OSHA notification instructions.

VI. Hazard Correction

Hazards discovered either as a result of a scheduled periodic inspection or during normal operations must be corrected by the supervisor in control of the work area, or by cooperation between the department in control of the work area and the supervisor of the employees working in that area. Supervisors of affected employees are expected to correct unsafe conditions as quickly as possible after discovery of a hazard, based on the severity of the hazard.

Specific procedures that can be used to correct hazards include, but are not limited to, the following:

- Tagging unsafe equipment “Do Not Use Until Repaired,” and providing a list of alternatives for employees to use until the equipment is repaired.
- Stopping unsafe work practices and providing retraining on proper procedures before work resumes.
- Reinforcing and explaining the need for proper personal protective equipment and ensuring its availability.
- Barricading areas that have chemical spills or other hazards and reporting the hazardous conditions to appropriate parties.

Supervisors should use the **Hazard Correction Report (Appendix E)** to document corrective actions, including projected and actual completion dates.

If an imminent hazard exists, work in the area must cease, and the appropriate supervisor must be contacted immediately. If the hazard cannot be immediately corrected without endangering employees or property, all personnel need to leave the area except those qualified and necessary to correct the condition. These qualified individuals will be equipped with necessary safeguards before addressing the situation.

VII. Health and Safety Training

Health and safety training, covering both general work practices and job-specific hazard training is the responsibility of the **Department Safety Coordinator** and immediate Supervisor(s) as applicable to the following criteria:

1. Supervisors are provided with training to become familiar with the safety and health hazards to which employees under their immediate direction and control may be exposed.
2. All new employees receive training prior to engaging in responsibilities that pose potential hazard(s).
3. All employees given new job assignments receive training on the hazards of their new responsibilities prior to actually assuming those responsibilities.
4. Training is provided whenever new substances, processes, procedures or equipment (which represent a new hazard) are introduced to the workplace.
5. Whenever the employer is made aware of a new or previously unrecognized hazard, training is provided.

The Safety Training Attendance Record form is located in Appendix F.

VIII. Recordkeeping and Documentation

Documents related to the IIPP are maintained in the **Electrical & Computer Engineering** main office:

2064 Kemper Hall and/or 2152 Kemper Hall.

The following documents will be maintained within the department's **IIPP Addendum Binder** for at least the length of time indicated below:

1. Hazard Alert Forms (Appendix A form).
Retain for three (3) years.
2. Employee Job Safety Analysis forms (Appendix B form)
Retain for the duration of each individual's employment.
3. Worksite Inspection Forms (Appendix C form).
Retain for three (3) years.
4. Accident Investigation Forms (Appendix D form).
Retain for three (3) years.
5. Hazard Correction Reports (Appendix E form).
Retain for three (3) years.

The following documents will be maintained within the department's **IIPP Training Records Binder** for at least the length of time indicated below:

1. Employee Safety Training Attendance Records (Appendix F form).
Retain for three (3) years.

IX. Resources

1. Office of the President: University Policy on Environmental Health and Safety, 10/22/86
2. UC Davis Policy and Procedure Manual, Section 290-15, Safety Management Program
3. California Code of Regulations Title 8, Section 3203, (8CCR §3203), Injury and Illness Prevention Program
4. Personnel Policies for Staff Members, Corrective Action, UCD Procedure 62
5. University of California Policy on Management of Health, Safety and the Environment, <http://www.ucop.edu/riskmgt/ehs/policy.html>
6. UC Davis Environmental Health & Safety
 - EH&S Website
 - EH&S SafetyNets
 - Material Safety Data Sheets

7. ADDITIONAL DEPARTMENT RESOURCES

- ECE Departmental Safety Website

HAZARD ALERT FORM

Department: _____

I. Unsafe Condition or Hazard

Name: (optional) _____ Job: _____

Title: (optional) _____

Location of Hazard: _____

Building: _____ Floor: _____ Room: _____

Date and time the condition or hazard was observed:

Description of unsafe condition or hazard:

What changes would you recommend to correct the condition or hazard?

Employee Signature: (optional) _____

Date: _____

II. Management/Safety Committee Investigation

Name of person investigating unsafe condition or hazard:

Results of investigation (What was found? Was condition unsafe or a hazard?): (Attach additional sheets if necessary.)

Proposed action to be taken to correct hazard or unsafe condition: (Complete and attach a Hazard Correction Report, IIPP Appendix E)

Signature of Investigating Party: _____

Date: _____

IIPP-Appendix A
March 2006

Completed copies of this form should be routed to the appropriate supervisor and department Safety Coordinator, and must be maintained in department files for at least three years.

EMPLOYEE:	JOB SAFETY ANALYSIS	DEPT: EEC	LOCATION	JOB TYPE						
JOB FUNCTION	POTENTIAL HEALTH OR INJURY HAZARDS	SAFE PRACTICE, APPAREL, OR EQUIPMENT								
General office environment	<p>Backstrain, eyestrain, repetitive motion injury.</p> <p>Physical injuries due to slips, trips and falls, and falling objects.</p> <p>Electrical hazards.</p> <p>Physical injuries due to fires, earthquakes, bomb threats and workplace violence.</p>	<p>Ensure that workstations are ergonomically correct.</p> <p>Keep floors clear of debris and liquid spills. Keep furniture, boxes, etc. from blocking doorways, halls and walking space. Do not stand on chairs of any kind, use proper foot stools or ladders. Do not store heavy objects overhead. Do not topload filing cabinets, fill bottom to top. Do not open more than one file drawer at a time.</p> <p>Do not use extension cords in lieu of permanent wiring. Ensure that high wattage appliances do not overload circuits. (Plug high wattage appliances directly into wall outlet.) Use GFI's in receptacles in potentially wet areas. Replace frayed or damaged electrical cords. Ensure that electrical cords are not damaged by being wedged against furniture or pinched in doors.</p> <p>Attend emergency action and fire prevention plan training including emergency escape drills.</p>	<p>SIGNATURE</p>	<table border="1"> <tr> <td>DATE</td> <td>PAGE</td> <td>OF</td> </tr> <tr> <td></td> <td>1</td> <td>1</td> </tr> </table>	DATE	PAGE	OF		1	1
DATE	PAGE	OF								
	1	1								

EMPLOYEE:	JOB SAFETY ANALYSIS	DEPT:	LOCATION:	JOB TYPE:
JOB FUNCTION	POTENTIAL HEALTH OR INJURY HAZARDS	SAFE PRACTICE, APPAREL, OR EQUIPMENT		
Perform research in an environment involving chemical hazards .	<p>Exposure to chemicals via inhalation, contact, ingestion or injection.</p> <p>Handling of cryogenic liquids</p>	<p>Avoid all unnecessary exposures. Reduce exposures that cannot be avoided by minimizing exposure duration and concentration. Proper selection and use of personal protective equipment including gloves, protective eyewear, lab coats, and in some instances respiratory protection. Implementation of proper personal hygiene habits, including washing hands and face before eating and smoking. During the first 6 months of employment, personnel will receive basic training in Chemical Laboratory Safety, Hazardous Waste Management and Minimization Training that will be coordinated by the ECE Safety Officer. Training in other applicable safety courses will be coordinated by ECE Safety Officer on an individual basis after consultation with faculty advisor.</p> <p>Exposure to cryogenic liquids</p>	<p>Avoid unnecessary exposures. Proper selection and use of tools and personal protective equipment including gloves, aprons and protective eyewear. Adhere to cryogenic procedures.</p>	
		SIGNATURE	DATE	PAGE 1 OF 1

EMPLOYEE:	JOB SAFETY ANALYSIS	DEPT: EEC	LOCATION:	JOB TYPE:
JOB FUNCTION	POTENTIAL HEALTH OR INJURY HAZARDS	SAFE PRACTICE, APPAREL, OR EQUIPMENT		
Perform research in an environment containing physical hazards.	Injury from physical hazards including high voltage, lasers and ultraviolet light, microwaves, compressed gases and liquids, cryogenic materials, and specialized equipment as well as falling objects.	Avoid unnecessary exposures. Proper selection and use of personal protective equipment including gloves, protective eyewear and specialized equipment. Employees are not to enter restricted areas unless accompanied by a properly trained individual familiar with the hazards of the area. Personnel are not to operate specialized equipment without proper training and documentation. Watch for overhead hazards and wear head protection if needed. During the first 6 months of employment, personnel routinely entering areas where lasers are used will receive laser safety training that will be coordinated by the ECE Safety Officer. Training in other applicable safety courses will be coordinated by ECE Safety Officer on an individual basis after consultation with faculty advisor.		

SIGNATURE

DATE	PAGE	OF
	1	1

EMPLOYEE:	JOB SAFETY ANALYSIS	DEPT:	LOCATION:	JOB TYPE:
JOB FUNCTION	POTENTIAL HEALTH OR INJURY HAZARDS	EEC	SAFE PRACTICE, APPAREL, OR EQUIPMENT	
Perform research in teaching labs and /or environment containing power- or hand- tool hazards.	Injury from tools or equipment including hand drill, drill-press, exacto knives, soldering iron, Dremel tool, or other hand tool .		Personnel are not to operate specialized equipment, such as a drill press, without proper training and documentation. Use personal protective equipment including gloves, protective eyewear and specialized equipment. During the first 6 months of employment, personnel will receive safety training that will be coordinated by the Lab Supervisor and the ECE Safety Officer.	
SIGNATURE				
DATE		PAGE	OF	
		1	1	

WORKSITE INSPECTION FORM

Laboratory Environment

Location: _____ Date: _____

Inspector: _____ Phone: _____

Department: _____

General Hazards

Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	1.	Are aisles, exits, and adjoining hallways maintained free of obstructions that would hinder emergency access or exiting?
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	2.	Are there at least 18 inches (47 cm) of vertical clearance between all stored items and the ceiling-mounted fire sprinklers? (If there are no sprinklers, measure to the ceiling itself.)
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	3.	Are approved sharps waste containers available for disposal of needles, blades, and other sharps? (Reminder: There should be a proper procedure for disposal of broken glass.)
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	4.	Has furniture and equipment over five feet tall been bolted to the wall or otherwise secured?

Emergency Equipment

Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	5.	Are all emergency eyewash and shower stations free of obstructions that would prevent quick access by someone temporarily blinded by a chemical splash? Are they within 100 feet of the laboratory (or approximately 10 seconds)?
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	6.	Are the emergency eyewashes for the laboratory tested (flushed) monthly and are the tests documented?

Laboratory Equipment

Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	7.	Look inside each refrigerator and freezer in your lab to ensure flammables are stored in units that are suitable for storage of flammables. Is each refrigerator and freezer in the laboratory labeled as either "safe" or "unsafe" for storage of flammables?
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	8.	Look inside each refrigerator and freezer in your lab to ensure food is stored only in units designated "food only." Are all refrigerators, freezers, and microwave ovens properly labeled either "Food Only" or "No Food or Drink Allowed?"
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	9.	Are all compressed gas cylinders adequately secured with non-combustible restraints to keep the cylinders from falling? (Bench clamps are not adequate to secure large cylinders. Gas cylinders should be capped when not in use.)

Chemicals

Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	10.	Does the lab have a Chemical Hygiene Plan (CHP)? If yes, is it up to date and has it been reviewed and signed within the past year? If no, all labs that contain chemicals are required to maintain a CHP. Complete a lab specific CHP using the EH&S template (http://ehs.ucdavis.edu/chem/chem_mnl/clsm_apps.cfm).
Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	11.	Has the laboratory's chemical inventory been completed or updated within the last year (or within 30 days of a significant change such as a move to a new location or addition of new chemicals) and entered into the EH&S Chemical Inventory System (CIS)?

Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	12.	Are chemical fume hoods kept uncluttered so that air flows properly (e.g., is storage minimized and are adequate work areas provided)? Can ALL chemical work be done more than six inches into hood? (Note: Chemical fume hood sashes must be in good condition and be used at the proper setting, typically 18 inches from the work surface.)
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	13.	Are all chemical containers and hazardous waste containers kept closed when not in use?
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	14.	Are all chemical containers (including squirt bottles and unwanted hazardous materials containers) clearly labeled with their contents and primary hazard(s) and are they in good condition (not corroded or leaking)?
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	15.	Are corrosives stored below eye level and are incompatible chemicals stored appropriately (e.g., acids separate from bases, oxidizers separate from flammables)?
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	16.	Is a spill kit available? Is the location known to all employees in the laboratory? Has there been training in the past 12 months?
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	17.	Are peroxide formers (such as isopropyl ether and diethyl ether) stored away from light and heat and labeled with the date they were opened and the expiration date?

Electrical

Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	18.	Are extension cords used only as temporary wiring (<30 days) and not connected in a series (daisy-chained) with other extension cords or power strips? (Cords must be in good condition with no breaks or exposed wiring.)
Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	19.	Is high voltage equipment clearly labeled, properly guarded, and is its use restricted to trained personnel only?

Ergonomics

Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>	20.	Are ergonomic issues being addressed for employees using computers or at risk of repetitive motion injuries?
--	-----	--

Other Hazards

1.	
2.	
3.	
4.	
5.	

Comments

--

ACCIDENT INVESTIGATION FORM

Name of Injured Person: _____ Date of Injury: _____

Name of Supervisor: _____ Telephone #: _____

Department: _____ Location of Injury: _____

Brief Description of Accident:

Nature of Injury (describe all body parts affected):

Was Training Provided?

Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	NA	<input type="checkbox"/>
Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	NA	<input type="checkbox"/>
Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	NA	<input type="checkbox"/>
Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	NA	<input type="checkbox"/>

Were established procedures followed?

Were tools or equipment adequate for task?

Were environmental conditions a factor in the incident?

Elaborate on Responses:

Proposed Corrective Action:

Supervisor: _____ Date of Report: _____

Signature: _____

IIPP-Appendix D Completed copies of this form should be routed to the department Safety Coordinator and kept
March 2006 in department files for at least three years.

HAZARD CORRECTION REPORT

Department: _____

This form should be used in conjunction with the "Hazard Alert Form" (IIPP Appendix A), as appropriate, to track the correction of identified hazards.

All hazards should be corrected as soon as possible, based on the severity of the hazard. If a serious imminent hazard cannot be immediately corrected, evacuate personnel from the area and restrict access until the hazard can be addressed.

Supervisor/Safety Coordinator Name: _____ Telephone: _____

Supervisor/Safety Coordinator Signature: _____ Date: _____

Description and Location of Unsafe Condition	Date Discovered	Required Action and Responsible Party	Completion Date	
			Projected	Actual