General Annual Safety Training
Dept of Civil and Environmental Engineering
Why are we here?

• General safety

• Safety program components
Fundamental Legal Rights

Legal right to **know**:

By law you have the right to know if you are being exposed to hazards in the workplace

Legal right to **question**:

By law you have the right to question or report safety concerns or hazards either directly or anonymously without fear of reprisal
Potential Hazards in Your Work Area

• Laboratory
  • Chemicals
  • High voltage

• Office
  • Ergonomics
  • Trip hazards

• Shop
  • Electrical hazards
  • Rotating machinery
  • Sharp tools

• Field locations
  • Vehicles, boats, trailers
Common Sense Rules – The Foundation of Safety

1. Identify hazards before you begin any activity
2. Respect all precautions and *do not* take chances
3. Plan what you’ll do if something goes wrong
4. Know how and where to get help

5. Don’t be embarrassed to ask:
   If you’re not certain you know how to do it safely, always ask your supervisor, PI, or co-worker before you begin.

6. Never turn a blind eye:
   If you see something happening that looks unsafe it is your responsibility to say something. Tell your PI, your supervisor, your DSC, your Department Chair, or me.
Elements of CEE Safety Training

– Injury Illness and Prevention Plan (IIPP)
  • Chemical Hygiene Plan
– Emergency Action Plan (EAP)
CEE Safety Website
Safety Documents

- Near Miss / Hazard Report
- 2021 Injury and Illness Prevention Plan (IIPP)
- 2021 Emergency Action Plan (EAP)
- Site-Specific Safety Orientation & Training Form
- Student Project Teams & Volunteers Safety Training Form
- JAHL Site-Specific Safety Orientation & Training Form
- Ghausi Access Agreement
- Hazardous Waste Labeling
- Campus Chemical Hygiene Plan
- Group Safety Training Refresher

Safety Tips

- Health and Safety Hazards: A Student’s Right to Know
- Guidelines for Chemical Spill Control
- Electrical Safety Guidelines
- Portable Space Heater Fire Regulations
- Use of Refrigerators and Freezers in Laboratories
- Compressed Gas Safety
- Injury Reporting/Emergency Medical Care
Injury and Illness Prevention Plan (IIPP)

Q: What is it?

• A documented plan for minimizing and responding to injuries and illness in the workplace.

Q: What is in it?

• System for assuring employee compliance with safe work practices
• Scheduled inspections/evaluation system
• Accident Investigation
• Procedures for correcting unsafe/unhealthy conditions
• Safety and health training and instruction
Report Safety Hazards

You have the right (and responsibility) to report any safety hazard, either directly or anonymously, without any fear of reprisal

• Via the Hazard Report Form found in the Departmental IIPP (Online)

• Alternatively, you may contact:
  • Department Safety Coordinators
    • Jessica Hazard, jmhazard@ucdavis.edu (Ghausi Hall/Bainer Hall)
    • Kara Carr, kjcarr@ucdavis.edu (JAHL)
    • Chad Justice, cljustice@ucdavis.edu (CGM)
    • Dave Jones, djjones@ucdavis.edu (ATIRC)
Chemical Hygiene Plan

Q: What is it?
• A documented plan and guide for the safe use of chemicals in laboratories.

Q: What is in it?
• Safe Storage, Use and Disposal of Chemicals in Laboratories
• Lab Access Policies
Emergency Action Plan (EAP)

Q: What is it?
   • A documented plan for responding to emergencies in the workplace.

Q: What is in it?
   • Emergency escape procedures and emergency escape route assignments.
   • Reporting fires and other emergencies
EAP – Evacuation and Assembly

In Case of Evacuation:

- Close and lock doors as you leave the area.
- Use posted exit doors to outside areas.

Meeting Location:

- Academic Surge North Side
- Ghausi Hall
- Bainer Hall North Side
- Bainer Hall South Side
- Kemper Hall North Side
- Kemper Hall South Side
- Ghausi Hall North Side
- Ghausi Hall South Side
- Academic Surge North Side
- Academic Surge South Side

![Evacuation Map]

1. Bainer Hall North Side
2. Bainer Hall South Side
3. Kemper Hall North Side
4. Kemper Hall South Side
5. Ghausi Hall North Side
6. Ghausi Hall South Side
7. Academic Surge North Side
8. Academic Surge South Side

Meet here

Reviewed/Revised April 2020
# Laboratory Injury or Exposure

<table>
<thead>
<tr>
<th>Employees</th>
<th>Students</th>
<th>Everyone Else</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Getting paid by UC at time of injury)</td>
<td>(Not getting paid by UC at time of injury)</td>
<td></td>
</tr>
<tr>
<td><strong>Occupational Health Medical Clinic</strong>&lt;br&gt;530-752-6051</td>
<td><strong>Student Health and Wellness Center</strong>&lt;br&gt;530-752-2349&lt;br&gt;(24-hour advice &amp; counseling)</td>
<td>Go to your personal medical provider.</td>
</tr>
<tr>
<td><strong>WEEKDAYS</strong>&lt;br&gt;8 a.m. – 5 p.m.&lt;br&gt;(closed 12 – 1 p.m.)</td>
<td><strong>During Quarter:</strong>&lt;br&gt;<strong>WEEKDAYS</strong>&lt;br&gt;8 a.m. – 5:30 p.m.</td>
<td></td>
</tr>
<tr>
<td><strong>WEDNESDAY</strong>&lt;br&gt;9 a.m. – 5 p.m.&lt;br&gt;(closed 12 – 1 p.m.)</td>
<td><strong>WEDNESDAY</strong>&lt;br&gt;9 a.m. – 5 p.m.</td>
<td></td>
</tr>
</tbody>
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### After Hours and Immediate Treatment for Everyone

<table>
<thead>
<tr>
<th>Davis Urgent Care</th>
<th>Sutter Emergency Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>530-759-9110</td>
<td>530-757-5111</td>
</tr>
<tr>
<td><strong>OPEN 365 DAYS A YEAR</strong></td>
<td><strong>OPEN 24 HOURS</strong></td>
</tr>
<tr>
<td>8 a.m. – 5 p.m.</td>
<td>2000 Sutter Place</td>
</tr>
<tr>
<td>4515 Fermi Place #105 (Across from Target)</td>
<td></td>
</tr>
</tbody>
</table>

### Notices

- **Explain Exposure:** Be prepared to communicate exposure details (e.g., chemical name, biohazard) to medical providers.
- **Transportation:** Arrange an escort when possible. For non-emergencies, you may use a personal vehicle instead of taking an ambulance.
- **Report:** Work related injury/illness claims should be filed as soon as possible at ehs.ucop.edu/efr

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**UCDavis**

**College of Engineering**

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**CALL 911 IF EMERGENCY OR LIFE-THREATENING**
To Gain Lab Access:

- Email Department Safety Coordinator with lab/PI information
  - Jessica Hazard, jmhazard@ucdavis.edu (Ghausi Hall/Bainer Hall)
  - Kara Carr, kjcarr@ucdavis.edu (JAHL)
  - Chad Justice, cljustice@ucdavis.edu (CGM)
  - Dave Jones, djjones@ucdavis.edu (ATIRC)

- Complete the online ‘UC Laboratory Safety Fundamentals’ course and any additional training

- Schedule a site-specific training appointment