

# Machine Workshop Update

The University of Texas at Austin



**Environmental  
Health & Safety**

# Agenda

- Welcome by EHS Director – John Salsman
- Machine Shop Update- Elena Capsuto
- Presentation by Consultant – Don Gardner
- Break
- Anti-restart presentation for 240V -Scott Allen & Mark Phillips
- Unique Machine Guards – Daniel Stine
- Lunch
- Round Table Discussions
- Virtual Message Board – Carin Peterson
- Closing- Daniel Stine & Elena Capsuto

# Bag

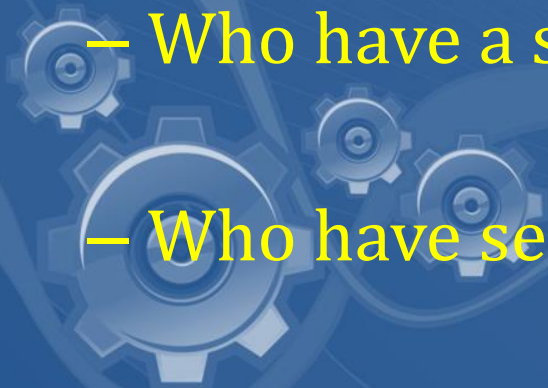
- What's in the bag?
  - Grinder Scale
  - Gotcha Stick
  - Ear Plus with high noise reduction rating
  - Catalogs
  - Contact list of shop supervisors
  - *New & Improved* Inspection Form

# Student Training OH500

- All students must successfully complete the following training:
  - OH500 prior to receiving hands on training
    - Must pass test - shop supervisors verifies this prior to hands on training
  - Faculty or shop supervisor provides hands on training showing students how to safely work on machinery
    - Must document hands on training

# Student Training OH500

- Employees must take OH500 if they meet any of the following criteria:
  - Employees who have little to no experience working in a machine shop
  - Who have a severe near miss
  - Who have serious accident



# Faculty & Shop Supervisor Training OH506

- By successfully completing this training it should:
  - Increase awareness of different types of guards & safety devices
  - Provide knowledge on how to fill out the University Machine Inspection Form
- Inspection Form
  - Student Shops once a semester
  - Employee Only Shops once a year
  - Can fill out more frequently



# Environmental Health & Safety

Google Custom Search

Home About Contact Training Forms MSDS Site Map 24-Hour Hotline: 512-471-3511

## PROGRAMS & SERVICES

- Air
- Animal Make Safe
- Biosafety
- Campus & Occupational Safety
- Drinking Water and Food Safety
- Grease Traps and Interceptors
- Hazard Communication Program (PDF)
- Hazardous Waste Disposal
- Lab Safety
- Laser Safety
- MSDS and Chemical Information
- Pollution Prevention
- Radiation Safety
- Recycling



## NEWS



### Fall Protection

The University of Texas at Austin has new safety requirements regarding Fall Protection. Fall Protection applies to all UT Austin campuses for students, staff, and faculty working at heights 6 feet and above, who are not working on a ladder. Ladders that are less than 25 feet in height are not subject to this requirement. Please consult [EHS Ladder Safety](#). This [overview](#) is the first stage in the development of the Fall Protection program. There will be

## EMERGENCY RESPONSE

- MSDS
- EHS 512-471-3
- UTPD 512-471-
- Emergency Proc

## POPULAR PA

- Animal Make Sa
- Hazardous Waste Disposal
- Laboratory Safe
- Lab Safety Manu
- Training Schedu

## FORMS

- EHS Assistant
- Food Distribution (EID required)
- Sanitary Sewer Storm Water Dis (EID required)
- Biological Work

[Asbestos](#)[Ergonomics](#)[Hearing](#)[Indoor Air Quality  
\(IAQ\)](#)[Lifts](#)[Respiratory](#)[Shop Safety](#)

## Campus and Occupational Safety

The Campus and Occupational Safety program is a new group within EHS. Some program elements include: as surveillance, indoor air quality, mold, and occupational safety programs. The University Industrial Hygienist and report to this group. Our main focus is the safety of UT workers and visitors. (For specific safety questions related to [biologics](#), [radiation](#), or [environmental programs](#), please see the other sections within EHS.)



# Shop Safety Training

## **For Employees and Students Who Work in Machine Shops**

EHS wants to ensure that all employees and students who work in machine shops have the basic training to keep themselves and their colleagues safe. Please keep these rules in mind and take our [OH 500 Shop Safety online training](#).

## **For Machine Shop Supervisors:**

All employees who are responsible for the safe operations of the equipment in their shop must take Shop Supervisor Training (Machine Guarding) initially and every two years. This person is responsible for filling out the [Machine Shop Inspection form](#). This training will provide employees the knowledge to correctly fill out the form to ensure continuous safe operations of the safety devices on fixed equipment.

Departments can always create a more detailed inspection form, but they must incorporate all the applicable elements in the university form. Currently we ask that departments retain inspection forms available upon request from EHS. Departments can contact EHS for guidance on correcting deficiencies found on inspections.

The [Shop Safety Training Checklist \(PDF\)](#) provides shop supervisors with guidance as to basic elements that must be completed in site specific shop training. The form must be available upon request either electronically or hard copy.

## **See also**

[OH 500: Machine Shop Safety training](#)

[OH 500: Machine Shop Safety Training \(PDF\)](#)

[OH 506: Machine Shop Supervisor Training \(Machine Guarding\)](#)

[Shop Safety Training Checklist \(PDF\)](#)

[Machine Shop Inspection Form](#)

# Electrical Work

- All electrical work on campus must follow National Electric Code
- Departments should submit an SR-10 to PMCS to get costs for machine guarding work



# Noise in Machine Shops

- EHS and Safety Coordinators will perform noise testing for fixed equipment and place label on machines  $\geq 85\text{dBA}$



# Noise in Machine Shops

- Employees should:
  - Wear department provided hearing protection
  - Read the one page hand out on EHS COS Hearing page
    - Hearing Protection Informational Handout
  - Will not be part of the University Hearing Protection Program requiring annual audiogram

# Portable Hand Tools

- EHS & Safety Coordinators will perform noise testing for a variety of common hand held tools and place on EHS COS webpage:
  - Chain Saw
  - Drill
  - Circular Saw
  - Buffer
  - Others????
- This is a tentative list, if you would like specific item added please contact EHS or your Safety Coordinator



# Portable Hand Tools

- For equipment  $\geq 85\text{dBA}$  employees should:
  - Wear department provided hearing protection
  - Read the one page hand out



# In-Depth Assessments

- EHS has received money to continue the in-depth machine safety assessments
- If you know of any student societies or other machine shops that we may not be aware of us, please let us know



# Questions???

- Presentations will be filmed and put on EHS Campus & Occupational Safety web page
- If you have questions call the main EHS number x13511 and ask to speak to someone about machine shop safety

