Machine Workshop Update

The University of Texas at Austin
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
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
Campus and Occupational Safety

The Campus and Occupational Safety program is a new group within EHS. Some program elements include: asbestos surveillance, indoor air quality, mold, and occupational safety programs. The University Industrial Hygienist and Environmental Health and Safety Manager 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 ≥ 85dBA
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 ≥ 85dBA 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