

(Shop Name)

SHOP SAFETY PLAN



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1. STATEMENT OF PURPOSE

This Shop Safety Plan documents the commitment of this department and this shop to comply with the requirements CSU Executive Order 1039, as well as local, state, and federal regulations, including 29 CFR 1910. It has been developed by the Shop Coordinator and it will be reviewed annually or when new or modified equipment is introduced into the shop. A complete list of Authorized Users will be kept current.

Documentation, including shop policies, inventories of equipment, standard operating procedures, training materials, training records, and authorization forms will be kept in a central location and readily available for review.

Signature, Department Head	Date	



2. GENERAL SHOP INFORMATION

Shop Name:				
☐ Machine Shop ☐ V	Vood Shop □ Combination □ Hot Work Operations □ Other			
Department:	Lab:			
Building:	Location:			
Supervisor:	Phone:			
Email Address:				
Shop Coordinator:	Phone:			
Email Address:				
Primary Use:	□ Maintenance □ Hobby □ Research			
	☐ Teaching ☐ Other:			
Student Access: If yes:	 ☐ Yes ☐ No ☐ Undergraduate Students ☐ Graduate Students ☐ Post-Doctoral/Fellows 			
Access Controls: If yes:	☐ Yes☐ No☐ Card Key Access☐ Energy Isolating☐ Other:			
	Keys Maintained by:			



3. SHOP POLICIES AND PROCEDURES

HOURS OF OPERATION

Day	Hours
Sunday:	
Monday:	
Tuesday:	
Wednesday:	
Thursday:	
Friday:	
Saturday:	

GENERAL POLICIES AND PROCEDURES

- Tools and machines may only be operated by Authorized Users.
- Only work with tools and machines that you have been authorized to use.
- Do not operate tools and machines when you are fatigued.
- Do not use equipment if you are using any medications with a warning to avoid driving or using machinery, unless a release is provided by a licensed physician.
- Do not use equipment if you are under the influence of alcohol, illicit substances, or mind-altering drugs.
- Do not use phones, headphones, ear-buds, or other electronic devices while operating machinery or tools.
- Safety glasses must be worn at all times while in a restricted area.
- Wear other PPE as required for each specific piece of equipment.
- Do not work alone in a shop unless you have written authorization from the Shop Coordinator.
- Open-toed footwear is not permitted in the shop.
- Wear non-slippery, thick, leather work shoes, preferably rubber-soled.
- Long pants (or equivalent) must be worn. (A shop apron <u>cannot</u> be worn in lieu of long pants.)
- Neck ties, necklaces, bracelets, jewelry, watches, long sleeves, etc. must be removed or rolled up before operating machinery.
- Long hair must be tied back to avoid entanglement in machinery or tools.
- Safety guards must be in place at all times; ensure guides and fences are tight.
- Report damaged safety guards, machines, and tools to the Shop Coordinator.
- Report unsafe conditions to the Shop Coordinator.
- Keep your work area clean, do not place tools and materials on the machine table.
- Put tools away when you are finished used them.



- Never leave tools unattended.
- Only one person may work on a machine at a time.
- Keep blades covered as much as possible.
- Never make heavy cuts with planers, jointers, or routers.
- Plywood and particleboard must **NOT** be worked with the jointer or planer.
- Do not work small pieces with power machinery. Instead, use hand tools.
- Always secure the work piece with clamps or a vise.
- Never remove metal chips, turnings, or shavings with your hands.
- Never use compressed air to clean clothing.
- Compressed air used for cleaning equipment must be regulated to 30 psig and be equipped with a safety nozzle.
- No running or horseplay.
- No eating in the shop area.
- Always follow the Shop Coordinator's directions.

•	Report all injuries (even small ones) to the Shop Coordinator.
•	The First Aid Kit (if available) is located
•	The eyewash station (if available) is located
•	The safety shower (if available) is located
•	The spill kit (if available) is located
ADDI	TIONAL POLICIES AND PROCEDURES
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4. SHOP EQUIPMENT INVENTORY

Machine	Manufacturer	Model Number	CSUN ASSET#



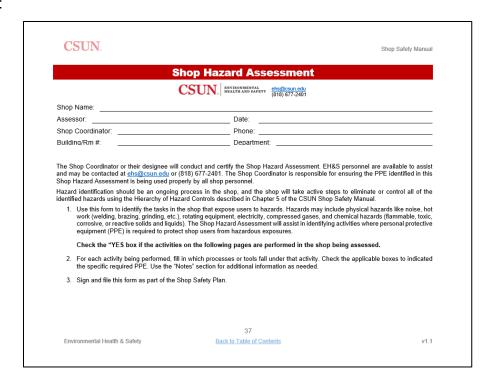
5. SHOP HAZARD ASSESSMENT

- Documented hazard assessments of all activities to be performed in the shop <u>must</u> be conducted initially and after any change to the shop environment, such as after the addition of new equipment or processes.
- All hazards identified by the Shop Hazard Assessment must be controlled by one
 or more methods of the Hierarchy of Hazard Controls (see <u>CSUN Shop Safety</u>
 <u>Manual</u> Section 5). At minimum, appropriate PPE must be selected and provided
 to all Personnel.
- All hazards identified by the Shop Hazard Assessment must have controls applied within 30 days of identification. If controls cannot be established in that time, a plan with specific dates of projected implementation must be developed and in progress within 30 days.
- All personnel must acknowledge the latest Shop Hazard Assessment that has been conducted, and that acknowledgement must be documented.

A blank copy of the Shop Hazard Assessment Checklist and Personnel Acknowledgements should be inserted here or on the next pages of the Shop Safety Plan.

The Shop Hazard Assessment Checklist and Personnel Acknowledgement templates are available on the EH&S website or the CSUN Shop Safety Manual (Appendix D).

If you currently use your own Shop Hazard Assessment Checklist or form, please insert it here instead.





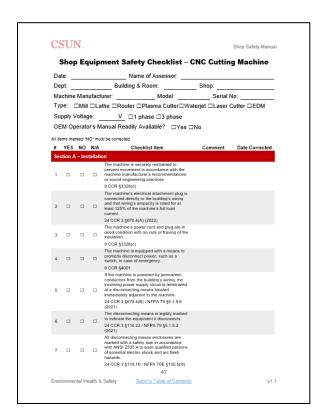
6. SHOP EQUIPMENT SAFETY CHECKLISTS

- Each individual tool or piece of stationary equipment <u>must be assessed for present or potential hazards periodically (no less than annually)</u> by the Shop Coordinator or their designee using Shop Equipment Safety Checklists, a separate checklist is to be used or developed for each tool or piece of equipment.
- All findings or failures identified by the Shop Equipment Safety Checklists must be corrected within 30 days of identification. If the finding cannot be corrected in that time, a plan with specific dates of projected correction must be developed and implemented within 30 days.
- The Shop Coordinator must determine whether findings from the Shop Equipment Safety checklists require a stop work order or temporary non-use of that piece of equipment. In that case, informative signage must be used and <u>lockout/tagout</u> procedures must be implemented to prevent unauthorized use.

Blank copies of all Shop Equipment Safety Checklists should be inserted here or on the next page(s) of your Shop Safety Plan.

The Shop Equipment Safety Checklists are available on the <u>EH&S website</u> or the <u>CSUN Shop Safety Manual</u> (Appendix E).

If you currently use your own Shop Equipment Safety Checklists, please insert them here instead.





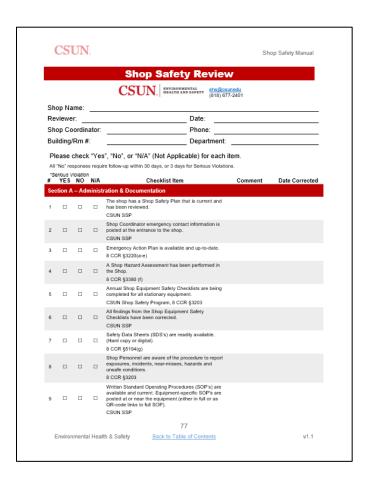
7. SHOP SAFETY REVIEW

- Documented self-inspections of shops by the Shop Coordinator or their designee must be conducted on a periodic basis, no less than annually.
- Shops should be well organized and housekeeping closely monitored.
- Equipment should be periodically inspected to ensure safe operations and proper guarding.
- Unsafe equipment should be removed or locked out / tagged out until repaired.
- Never use damaged equipment or equipment that is missing its machined guard(s).

A blank copy of the Shop Safety Review Checklist should be inserted here or on the next page(s) of your Shop Safety Plan.

The Shop Safety Review Checklist is available on the <u>EH&S website</u> or the <u>CSUN Shop Safety Manual</u> (Appendix F).

If you currently use your own Shop Safety Review Checklist or form, please insert it here instead.





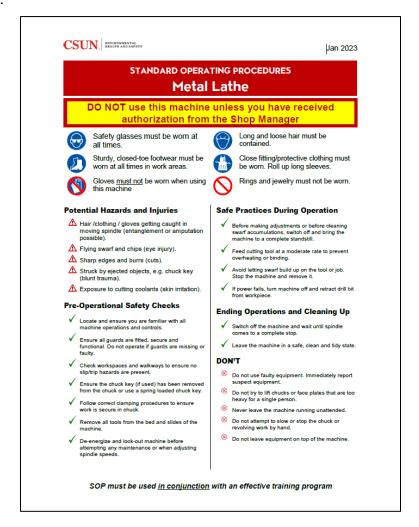
8. STANDARD OPERATING PROCEDURES

Standard Operating Procedures (SOPs) for shop equipment are located on the <u>CSUN</u> <u>Environmental Health & Safety website</u>.

The Shop Coordinator is responsible for providing SOPs for all shop equipment. They may develop SOPs themselves, or use the ones provided on the EH&S website. If there is not an SOP available from EH&S for a particular piece of equipment, then it <u>must</u> be developed by the Shop Coordinator.

- SOPs must be readily available in the shop area. EH&S recommends posting them at the machine, or providing a QR-code sticker on or near the machine that links to the SOP. EH&S can provide these QR-code stickers for SOPs hosted on the EH&S website.
- The SOPs provide quick safety references/tips on safe equipment use. This
 information is <u>not</u> a substitute for manufacturer, OSHA, or other equipment
 training materials.

Example SOP:





9. TRAINING AND RECORD KEEPING

TRAINING

Each shop is responsible for training its users. Training content should include two components:

- 1. Classroom Training to discuss shop rules, policies, and safety procedures
- 2. **Practical (Hands-On) Training** for <u>each piece of equipment</u> the user will have access to.

Please list in detail the subjects you will train each user on. **NOTE:** if you already have forms, factsheets, or other documents used for training, simply insert the most updated version here. These forms must include (but are not limited to):

- Employee's names (or another identifier)
- Training dates
- Subject matter covered
- Training provider(s)

Example:

Bench Grinder Training

Classroom Training Outline:

- Grinder operation turning on/off, adjusting work rest and tongue guards.
- Nomenclature- parts of the grinder.
- Approved work materials i.e. no Aluminum.
- Abrasive wheel types and their limitations.
- Proper PPE.

Practical (Hands-On) Training Outline:

- Perform proper lock out before changing wheel.
- Remove and replace wheel– use of blotters, proper flanges, torque mounting nut.
- Perform ring test of wheel.
- Verify RPM rating of wheel is greater than motor RPM.
- Adjust work rest and tongue guard to proper clearances.
- Demonstrate proper dressing of wheel.
- Demonstrate proper grinding techniques.



Record Keeping

The following documents must be maintained by the Shop Coordinator:

- A completed User Authorization Form (<u>CSUN Shop Safety Manual</u> Appendix B) for each Authorized User. This document must be kept for the duration of employment, tenure or work-study term plus 3 years.
- All training rosters (<u>CSUN Shop Safety Manual</u> Appendix C) and training content must be kept for 3 years.
- All procedures or protocols developed for shop safety must be kept for as long as they are current.
- All completed Shop Hazard Assessment Checklists (<u>CSUN Shop Safety Manual</u> Appendix D1) must be kept on file for 5 years.
- All Shop Hazard Assessment Acknowledgements (<u>CSUN Shop Safety Manual</u> Appendix D2) must be kept on file for the duration of personnel employment, tenure, or work-study term plus 3 years.
- All completed Shop Equipment Safety Checklists (<u>CSUN Shop Safety Manual</u> Appendix E) must be kept on file for 5 years.
- All completed annual Shop Safety Review Checklists (<u>CSUN Shop Safety Manual</u> Appendix F) must be kept on file for 5 years.
- Crane and hoist inspection reports and proof load tests, if applicable, must be kept on file.



10. LIST OF AUTHORIZED USERS

Please list any shop-specific requirements for Authorized Users here or on the following pages. Shop User Authorization Forms for each user listed must also be attached, in addition to any Working Solo/Unsupervised Authorization Forms that have been completed (see CSUN ShopSafety Manual Appendix B).

Name	CSUN ID	Phone	Training Completed	Date Authorization Given	Shop Coordinator's Initials
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
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			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		
			☐ Yes / ☐ No		



11. LIST OF SHOP MONITORS (OPTIONAL)

The Authorized Users listed here are granted authority by the Shop Coordinator to oversee shop operations. Shop Coordinators may grant limited or full operational authority and responsibility to Shop Monitors, and any such limitations must be documented here.

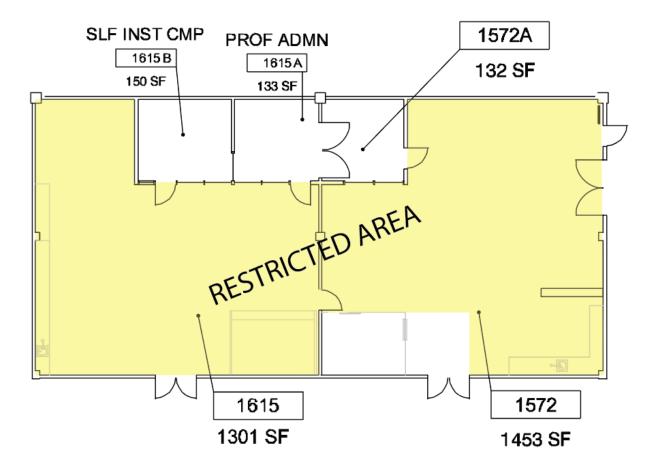
Name	CSUN ID	Area(s) of Responsibility	Date Authorization Given	Shop Coordinator's Initials



12. RESTRICTED AREAS

SITE MAP:

Please insert a floorplan drawing below (or on the following page) showing the restricted areas of the shop. A restricted area may be the entire shop or a portion thereof. If a restricted area is only the area surrounding a machine or process, the floor around that tool or process should be marked with a high visibility paint (or equivalent).





SIGNAGE:

Entrances to all restricted shop areas must have notices posted stating that entry is only allowed for Authorized Users. Personnel, including visitors, should be directed to the Shop Coordinator and telephone contact information should be provided.

Example:



WITHOUT AUTHORIZATION

CONTACT SHOP COORDINATOR AT: (818) 677-XXXX