

UC SANTA BARBARA

Environmental Health & Safety

Design, Facilities & Safety Services

Procedure No.: SS-WD-LTH

Authorized By: JOHN M. SEAMAN Contact No.: (805)893-5288

Issue Date: ##/##/## Reviewed Date: 10/01/21

Shop Safety Safe Work Procedure: Wood Lathe

WARNING: Do not use this machine unless an instructor or shop supervisor has instructed you in the safe use and operation and has authorized you to operate this equipment!

Equipment/Machine: WOOD LATHE

Make/Model Number: NA

Description of Work: Using/operating a wood lathe.

Potential Hazards: Exposed moving parts and electrical hazards with the potential to cause harm through entanglement, exposure to heat, dust, projectiles, and sharp objects.

Personal Protective Equipment (PPE) Required (Check the box for required PPE)

						
Gloves	Face Masks	Eye Protection	Hearing Protection	Safety Footwear	Protective Clothing	Welding Mask
<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

Safe Work Procedure Checklist:

PRE-Operation:

- Task (e.g., Drawings, instructions, specifications, etc) is clearly understood.
- Check safety guards are in position.
- Identify ON/OFF switch and emergency stop button (if applicable).
- Ensure the workpiece has been suitably prepared for the lathe operation.
- Work piece must be securely fastened to the face plate, chuck, or between centers.
- Adjust speed to suit the diameter of the work and the turning operation.
- Rotate the workpiece by hand to check clearance between the tool rest and the bed.
- Ensure the cutting tools are sharp and in good condition.
- Start the dust extraction unit before using the machine.
- Faulty equipment must not be used and must be immediately reported.

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Operation:

- Never leave the machine running unattended.
- Before making adjustments, switch off and bring the machine to a complete standstill.
- Keep the tool rest adjusted close to the work and at the correct height.
- Adjust speed to suit the diameter of the work and the turning operation.
- Stop the lathe and remove all tool rests before sanding.

POST-Operation:

- Switch off the machine and reset all guards to a fully closed position.
- Make sure good housekeeping practices are in place to minimize dust build-up.
- Leave the machine in a safe, clean, and tidy state