

UC SANTA BARBARA

Environmental Health & Safety

Design, Facilities & Safety Services

Procedure No.: SS-WD-LTH

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

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