



California State Polytechnic University, Pomona
College of Engineering Lab Safety Sheet

Lab Safety Precautions and Safe Operating Procedures

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Title of Class, Student Team, Senior Project, or Research Project: ME 220L	
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Description of Job/Task/Event	Potential Safety/Health Hazard	Preventive Safe Work Conditions, Mandatory Safe Work Practices and/or Personal Protective Equipment
Tension Test	Broken piece of specimen hits eye	Must wear safety glasses
Tension Test	Crush injury to fingers	Only one person operates machine at a time; do not jog or activate crosshead while hands are between grips; exercise caution when punching indicator marks on specimen with hammer and punch
Moving weights for Cantilever Beam, Simply Supported Beam, and Combined Loading tests	Crush injuries to toes	Do not balance weights near table edges; do not stack weights too high; make sure weight hooks are properly attached before loading
Hardness Test	Crush injury to fingers	Do not hold specimen with fingers during testing; do not raise anvil if any student has their fingers between anvil and indenter
Electrical fire in lab	Burn injury; smoke inhalation	<p>(a) Learn the location of lab fire extinguishers during the first lab session.</p> <p>(b) If the fire is minor and you are not endangering your personal safety, shut down the equipment and notify your instructor and/or lab technician. Use the nearest fire extinguisher to extinguish the fire.</p> <p>(c) If the fire is large or growing rapidly, <u>leave the laboratory and close the door.</u> Sound the building fire alarm. Report the exact location of the fire to the CAL POLY POMONA SECURITY. The EMERGENCY TELEPHONE NUMBER for CAMPUS SECURITY IS 911 FROM ANY CAMPUS PHONE. If you have only your cell phone, 911 will go to California Highway Police, so dial (909) 869-3070 instead for campus police.</p>