

- Displacement machinery (eg: Robot Arms, Links, Impact Testing, MTI machines, etc.)
- Air sucking and blowing fans and pumps (eg.: Air Lines, Wind Tunnels, etc.)
- Fluids pumping machinery (eg: Oil Pumps, Air Lines, Water Flume, hydraulic benches, etc.)
- Heat and gas producing equipment (eg: Diesel engine, HVAC Apparatuses, Heat Exchangers, etc.)
- Rotating machinery (eg: Lathes, Mills, Drills, Motors, etc.)

1. Plan your activities and discuss safety concerns as a group before running an experiment.
If unsure of the correct operating procedure, request assistance from your instructor or the TA.
2. Read the lab manual thoroughly, and observe specific safety concerns mentioned.
3. In general, do

1. When handling electric wires, never use them as supports and never pull on live wires.
2. Report to the TA and/or Technical Staff (eg. Ian Fraser) and do not use equipment with frayed wires or cracked insulation and

- by closing the doors and windows behind you as you leave. Do not lock the doors.
- 6. Leave building using recommended exit with reasonable speed.
- 7. Assist individuals with mobility disabilities to an Emergency Evacuation Site.
 - Follow the instructions of your emergency coordinators (see Appendix A).
 - Do not use elevators for evacuation.
 - Do not re-enter the building until allowed to do so by the Fire Department.
- 8. Move to your Department's evacuation site.
- 9. Stand by to identify yourself and provide information to fire personnel.

1. When handling any chemicals, be sure to at least _____ wear eye protection and gloves.
2. After handling the chemical replace and secure the lid or cap and place it back in its _____

3. Report any spill to the TA and/or Technical Staff, or follow these steps for _____ :
 - Tend to any injuries if safe to do so, call _____ Campus Security at _____ identify yourself to them.
 - Secure the area and close the door.
 - Pull the fire alarm to evacuate the building. Direct people away from the spill area.

1. Duck, cover, and hold. Crouch low to the ground, protect head with your arms, seek cover and hold onto heavy furniture. Stay inside; move away from windows, shelves, heavy objects and furniture that may fall. Take cover under a table or a desk, or in a strong doorway (anticipate that doors may slam shut).
2. In halls, stairways or

1. Assemble at

(extract

Safety Regulations and Hints

- Computers in Mechanical Engineering laboratories are loaded with licensed software. Unauthorized software is **software**

Used for Mech 220

Used for MECH 330 Introduction to Mechanical Vibration, MECH 420 Robotics, and MECH 450F Sensors and Actuators. It contains electronic instrumentation, and electro-mechanical apparatus. Watch for:

- Electric shock.
- Rotating equipment.
- Lab support person; Ian Fraser, ELW A218, Tel: 7297, Email: ifraser@uvic.ca

This is a working area consisting of the Machine Shops in B111, and B103. Both rooms containing major power and tools, which can present a very real physical danger when not used properly. The Shop in B111 is for use ONLY by support staff.

Room B103 is for use by students taking the Mech 200, 350, and 400, and some 499 courses, but _____ after taking a _____, where he/she has shown proficiency in the use of the hand tools, shop machinery, and basic safety aspects.

Protective eyewear