

## Laboratory Rules

1. Horseplay and unprofessional conduct in the laboratory will not be tolerated.
2. All jewelry (earrings, necklaces, bracelets, etc.) must be removed.
3. Long hair must be tied back or confined by some sort of hat.
4. Loose clothing is not allowed unless covered by a laboratory coat.
5. Shoes must be worn in the laboratory (roller blades, roller skates, etc. are not allowed).
6. You are restricted from the laboratory if you are under the influence of alcohol or drugs.
7. Smoking, eating, or drinking is not allowed in the laboratory.
8. When lasers are operating, laser eyewear must be properly worn in the region behind the laser curtain. If you wear glasses, safety eyewear must completely cover the glasses. Except when stated or soldering, goggles need not be worn in the laboratory outside of the laser isolated area. Lasers with corresponding eyewear (available in lab.) are listed below:

CO <sub>2</sub> Laser	LGS CO <sub>2</sub> Lasergard Goggles (O.D. 10 at 10.600 μm) (2 pairs)
HeNe Laser	Laserline goggles (O.D. 2.0 at 0.6328 μm) (5 pairs)
Ruby Laser	No goggles available. Remote operation from the rf shielding room
Reg. lab. safety glasses	Req. for soldering or for viewing exp. with moving parts. (1 pair)

9. Never look directly in the path of the laser beam even while wearing safety eyewear.
10. Modern lasers have built in turn on delay circuits. NEVER look directly into the laser while the source is plugged into the electrical outlet. ALWAYS unplug the power source first before looking directly into the laser head.
11. It is not known if low frequency electric and magnetic fields are a health risk. It is strongly advised that pregnant women and people who require electronic assistance (e.g. pacemakers, hearing aids, etc.) or have any other health concerns not enter the laboratory without first consulting their physician and the laboratory director. The director may require a written release from the Physician.
12. Know the location of:

Laser Warning Light Switch	Reg. Lab. Safety Glasses	Emergency Cut Off Switch
Phone	Light Switches	Right-To-Know Book
Incident/Accident Forms	Laser Safety Goggles	Fire Extinguisher

13. Solo experimentation is not to be performed by students between 6 pm and 8 am during the regular work week or on holidays or on weekends unless faculty supervision is near at hand. This may be waived only by the laboratory director.
14. Children are not allowed in to the laboratory without permission of the director for each visit.
15. Do not touch equipment you are not authorized to use. Some of the equipment are very delicate and expensive. Some of the equipment does not belong to UNLV.
16. Unless otherwise directed, do NOT disturb experimental setups in the laboratory.
17. Always close the radio frequency shielding room by the handle.
18. Compressed flammable gases exist in the laboratory. They are properly stored and the room is properly vented. Laser exhaust (carbon monoxide; CO) is properly vented as well. Before you may use the gases, you must be properly trained in operating the gas tanks and in detecting leaks in the gas lines.
19. Laser and laser sources contain high voltage sources within. You may not open or modify these without the permission of the laboratory director.
20. Laser beams are not to extend above the height of the laser curtain.
21. Follow procedures for compressed gas usage and for laser operation.
22. Have read the posted accident/incident plan. If an accident/incident occurs, an accident/incident form must be filed as soon as possible. The director must be notified.
23. Detailed laboratory logs must be maintained each day for senior design projects and research efforts conducted by students in the laboratory. The logs must contain the following minimum requirements: name, date, time entered and left lab (details such as breaks etc, not necessary), in what capacity the laboratory was used, details of experiment or design conducted in laboratory including pictures of laboratory setup, and resources used.