

Student Laboratory Safety Checklist

This is a hands-on laboratory course. You should be aware that science learning activities may pose potential hazards. We will use some equipment that may be dangerous if not handled properly. Safety in the science lab is an important part of the scientific process. To ensure a safe lab, a list of rules has been developed and must be followed at all times. Additional safety instructions may be given for specific lab activities.

No student will be allowed to participate in lab activities until they have signed the lab safety contract student sign off sheet provided by their TA.

SAFETY RULES FOR ENGINEERING PHYSICS ONE LABORATORIES

1. Conduct yourself in a responsible manner at all times in the science lab. Horseplay will not be tolerated.
2. Follow all written and verbal instructions carefully. Ask your instructor questions if you do not understand the instructions.
3. Dress properly—long hair must be tied back, no dangling jewelry, and no loose or baggy clothing. Wear lab coats when instructed. Long pants and closed-toed shoes are required as instructed.
4. Learn where the safety equipment is located and how to use it. This includes emergency eye flush stations, first aid kits, and fire extinguishers.
5. Know where the exits are located and what to do in case of an emergency or fire drill. Follow the emergency exit instructions provided by your TA immediately if the alarm sounds. Gather outside. Your TA will sign you out in order to insure that you have not been left behind and injured.
6. Do not touch any equipment, supplies, or other materials in the science lab without permission from the instructor.

7. Keep your work area and the science lab neat and clean. Bring only your laboratory instructions, worksheets, writing instruments, and other necessary materials to the work area.
8. Upon entering the lab, please hang coats and backpacks on designated coat hooks and not on chairs. Please keep these items off of the laboratory floor.
9. Please refrain from using cell-phones during the laboratory period, except when you've been asked to use them for a specific purpose such as using the stopwatch. Computers should be used for laboratory purposes only.
10. Clean all work areas and equipment at the end of the experiment. Return all equipment clean and in working order to the proper storage area.
11. Switch all appliances to "off" or "standby" when not in use and when the lab is concluded.
12. Follow your instructor's directions to dispose of any waste materials generated in an experiment.
13. Report any accident (fire, spill, breakage, etc.), injury (cut, burn, etc.), or hazardous condition (broken equipment, etc.) to the instructor immediately.
14. If necessary go directly to the student health center for emergency treatment. If in doubt about the severity of your injury your instructor will assign someone to accompany you.
15. Never open storage cabinets or enter the prep/storage room without permission from the instructor.
16. Do not remove equipment or supplies from the science lab without permission from the instructor.
17. Students with special needs must notify the instructor as early as possible. Special needs include but are not limited to battery driven implants, medication which affects performance, illness, and pregnancy. These needs may exempt you from performing certain labs without penalty.

18. Handle all glassware with care. Never pick up hot or broken glassware with your bare hands. Dispose of broken glassware in the broken glass box and not in the garbage. If you are unsure of where to dispose of broken glass ask your instructor for assistance.

19. Use extreme caution when using a hot plate. Avoid spilling and splashing hot liquids.

20. Some experiments may use electricity at voltage and power levels that are potentially harmful if not handled properly. Do not touch any conductor in a circuit when you do an experiment involving a high voltage (here “high” means higher than 20.0 V or 30.0 V). Ask your instructor if you are unsure. Some equipment is “home-made” and may contain electric lines which are not insulated. You will receive special cautionary advice where this is the case. Always read the lab instructions carefully before attending lab and use safety equipment as instructed.

21. Exhaustive emergency preparedness information can be found at:
<http://www.uwyo.edu/administration/reports-and-plans/erp/>