UT Physics GTA Training Laboratory Safety



Laboratory Safety





General Hazards

- Mechanical hazards
 - > Furniture
 - > Weights
 - >Glass cuts
- Electrical hazards
 - >AC frayed cords
 - > High voltage sources



General Hazards (cont.)

- Light hazards
 - Laser light
 - UV light sources
- Chemical hazards
 - Acid in eluate for minigenerator
- Fire and burn hazards
 - Light sources are hot; water baths are scalding
 - -Current through a wire is hot.
 - -Resistive heating produces hot water!



Laboratory Security

- Locking and unlocking labs
- Do not keep room 509 open during lab.
- No admission of students to closed labs
- Opening/closing windows
 - -Effect of adverse weather on equipment
 - Unbalancing of temperature control
 - Windows do not close easily.
- Last man rule or transfer of responsibility
- Don't borrow equipment!!!!!
- Report any strange occurrences, situations, or breaches of security



Special Considerations

- Report classes that have students with special needs
- Special problems can be addressed and we want to do so
- Be sensitive--be aware--think
- Anticipate and report forthcoming problems and needs



Basic Safety Issues

- Location of first aid kid
- Emergency reporting procedures: Dial 911
- Balance hazard with over-concern
- Right to know station outside Nielsen 404



Preparation for Emergency Situations

- Learn the location of emergency exits and the shortest routes to these locations
- Learn the location of emergency alarm activation stations.
- Learn the procedures for reporting emergencies -- Dial 911.
- Learn the sound of emergency alarm systems
- Learn the location of fire extinguishers.



Training

- Log in to your Canvas
- Go to Environmental Health and Safety (EHS) and click on Modules.
- Take General Lab Safety Training
- As you get into research, you will take other modules especially if you use chemicals or radioactive sources.

