UT Physics GTA Training
Laboratory Safety
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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.