

MAE 198 Aero Laboratory Safety: Lab Safety Information May 2017

Laboratory safety is important to reduce the risk of personal injury and damage to equipment. The following guidelines will help promote safe laboratory practices and make the persons working in the laboratory more aware of potential hazards while performing the experiments. Laboratory safety is everyone's responsibility.

Experiment Specific Hazards

- The two **materials testing load frames** are capable of applying forces to an object in excess of 20,000 pounds. These forces are capable of crushing extremities. Do not operate the ram on the load frame without proper handling. A safety shield is used to deflect any fragments of material that may be ejected from the test specimen when it yields. Persons working on the load frame must wear safety goggles and insure the safety shield is in place while conducting an experiment.

General Laboratory Safety

- Please do not horseplay in the laboratory.
- Please do not eat, drink or smoke in the laboratory.
- Do not dispose of any chemicals in the sink or trash receptacles. Contact laboratory staff for disposal of all chemicals and hazardous materials.
- The laboratory staff will brief you on the location and or use of the following...
 - _____ Fire extinguishers
 - _____ Ear Protectors and or plugs
 - _____ Emergency Eye Wash Stations
 - _____ Emergency Telephone
 - _____ Emergency Electrical Shutdown Switches
 - _____ Eye Protection for Laser Safety
 - _____ First Aid Kit
 - _____ UCSD Lab Safety Guide
 - _____ Safety Goggles for Materials Testing
 - _____ Emergency Exits

If you have any safety related questions, please ask.

I have read the preceding safety guidelines and will exercise safe lab practices. I understand that I may be removed from the laboratory if I create an unsafe environment.

Print Name _____

Signature _____

Date Signed _____