

ME Mechanical Test Lab Rules

General Lab Rules

- Training by, and only by, **lab staff** is required before using any of the equipment.
- No food or drink is allowed in the lab.
- Wear safety glasses at all times while in the lab.
- Arrive prepared and on time for your scheduled session.
- Clean up all debris from broken specimens.
- Return tools and fixtures to their proper places.
- Never share the lab door codes.
- Remember to log off of CORAL when you are finished. **You are billed for the entire time you are logged on!**

Instron 5585H Load Frame, 8511 Fatigue Frame

- Never apply a force that is greater than the **weakest element in the load string**. This means you'll need to check the max load capacity of grips, load cells, and all fixtures and attachments installed during your test.
- Never attempt to install or remove grips, load cells, or fixtures unless you have been trained to do so by, and only by, the **lab staff**.
- Install the polycarbonate blast door when testing specimens with the potential to produce shrapnel when they break. **If you are unsure what will happen, always install the blast door.**

Instron Dynatup 9250 Drop Tower

- Plan to bring 4-5 extra setup specimens when testing a new material. Always start at a low drop height (low energy) to see what loads are generated, then step up energy as necessary, **but be sure not to exceed the maximum load capacity of the load cell (15 kN)**.
- Never attempt to defeat the machine safety interlocks.
- Never attempt to install or remove test fixtures unless you have been trained to do so by, and only by, the **lab staff**.