

**ECE Senior Projects Lab**  
**General Safety Rules**

- Exercise of good judgment and knowledge will ensure you a safe laboratory experience.
- Do not defeat any safety device such as a fuse or circuit breaker, by shorting across it or by using a higher amperage fuse than that specified by the manufacturer.
- Avoid direct contact with any voltage source. Do not wear rings, watches, bracelets, or dangling necklaces while working on equipment. Do not grasp any exposed metal in your circuit when the power is on.
- Keep hands dry. Water and perspiration increase conductivity.
- Wear shoes with insulating soles.
- Food or drink is not permitted at any time in the laboratory.
- Measure voltages with one hand held behind you or in your pocket.
- Avoid eye injury when cutting off excessive wire lengths. Point the wires downward toward your table top so the cut pieces cannot fly toward your eyes or another person's.
- Shut off the power when connecting components or test equipment to a circuit. Double check wiring before you apply power.
- Make sure your circuit is properly grounded. Beware of a possible floating ground. It is a good idea to connect all grounds together before applying power.
- To prevent power terminals from shorting, keep the leads coming from those terminals apart.
- Before leaving: Hang up all test leads neatly under appropriate connector combination, Tidy workstation, Throw away all trash, TURN OFF equipment and lab table SWITCHES.
- Remember that in a fire situation you have to know how to reach the nearest EXIT.
- In any Emergency case, contact Mr. Mahmoud Abdelhamid (AURAK Facility Supervisor) mobile number: 0501046839 and landline: 072210500 Ext: 1210.