

# Electro Lab Rules



UiO

1. Memorize campus-specific and generic emergency numbers.
2. Do not wear open shoes.
3. Do not wear excessively loose clothes.
4. Remove any metal bracelet, watch, necklace.
5. Do not eat or drink in the laboratory.
6. Store your bag and other heavy personal belongings on the floor.
7. When soldering:
  - a. Wear protective glasses.
  - b. Do not wear shorts.
  - c. Use the fume extractor.
  - d. Do not touch components you are soldering with hands (use long nose pliers or third hand).
8. Access is regulated by card; you are responsible for the equipment you use.
9. Do not remove anything from the room, unless you have an explicit permit.
10. Do not let others in the room if they do not have a valid access card.
11. Do not alter the technical infrastructure in the room.
12. Do not leave personal belongings in the room.
13. Always leave the room in order, rack all the tools, and clear the table.
14. Avoid working in the laboratory alone.
15. Soldering irons must be always switched off and unplugged from power when leaving the room, including short breaks.
16. For more information check [Sikresiden.no](http://Sikresiden.no).

When working with electronic components not enclosed in a case remember that:

- The human body is a conductor; therefore, you can create lethal short circuits just by touching the boards while powered.
- Some components may get hot, be careful when touching them.
- Water and humidity damage all type of components.
- Vibrations can damage assembled board (be gentle when moving boxes with components, or fill the spaces with shock absorbent foam).
- Electrostatic discharges damage components (we do not have anti-static wristband, touching a large piece of metal helps to neutralize the charge that you may have accumulated, especially if you wear rubber shoes and wool).
- Do not work on circuits while these are powered (remove the power, modify the circuit, then re-apply the power). If you are not sure about a circuit, do not power it. As a general rule, AC or DC power sources are never directly connected to GND.
- Do not overheat components when soldering as they may get damaged (do not apply the soldering iron for too long).
- Do not solder directly integrated circuits or other expensive components, but use sockets or connectors instead (these can be soldered on a board).

# Emergency numbers



UiO ●●

**Fire: 110**

**Police: 112**

**Ambulance: 113**

## UiO Alarm and Security Centre

**22 85 66 66**

Contact first the emergency services, then the Alarm and Security Centre.