

T.C.
İSTANBUL KÜLTÜR UNIVERSITY
FACULTY OF ENGINEERING
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

LABORATORY SAFETY RULES

(Applicable to On-Campus and Distance Education)

1. Eating, drinking, smoking, and sleeping are prohibited in laboratory classrooms and during all laboratory activities.
2. Excessive noise must be avoided during laboratory work. In off-campus or remote experiments, televisions, radios, music players, and other distractions must be switched off.
3. Jewellery, ties, loose clothing, or any items that may create a safety hazard must not be worn while working with laboratory equipment. Students must wear closed-toe shoes, appropriate clothing, and secure long hair. Necklaces or other hanging accessories are not permitted.
4. Laboratory benches are intended solely for experimental equipment. Personal belongings such as coats, bags, and briefcases must be kept away from work areas. In remote experiments, equipment should be placed on a stable work surface free from unnecessary items.
5. The workspace must be kept clean and organized. Equipment, cables, and materials that are not directly related to the experiment must be removed from the work area. At the end of the experiment or class, the workspace shall be left clean and orderly, and all materials and equipment must be properly returned to their designated locations.
6. Move carefully within the laboratory to avoid accidents, equipment damage, or interference with other experiments.
7. At least three persons should be present in the laboratory during experimental activities whenever possible.
8. Do not open or remove the covers of any laboratory equipment unless explicitly authorized by the instructor.
9. Use only appropriate power cords and correctly rated fuses. Damaged power cords must be replaced immediately. Equipment powered from a 220 V outlet should use properly grounded

three-wire power cables. Extension cords should be used only when necessary and on a temporary basis.

10. Voltages exceeding 50 V RMS AC or 50 V DC should be considered hazardous. Additional precautions must be taken when working with higher voltage levels.
11. Exercise extreme caution when electrical power is applied to a circuit. Components such as capacitors and inductors may store energy and produce hazardous voltages even after power has been removed.
12. Never handle energized equipment with wet hands, wet footwear, or while standing on a wet or conductive surface.
13. When adjusting or testing energized circuits, use one hand whenever possible and keep the other hand away from the circuit to reduce electrical shock risk.
14. All accidents, injuries, near misses, and hazardous conditions must be reported immediately to the instructor or laboratory supervisor.
15. Laboratory facilities may only be used under the supervision of authorized academic staff.
16. Students must read the relevant laboratory manual before attending the session, complete any required pre-laboratory preparation, and arrive ready to perform the experiment independently.
17. Laboratory experiments are designed to be carried out primarily by students. At the end of each experiment, students must document and report their findings in the prescribed laboratory report format.