

Safety Rules in the General Physics Laboratory

Students should be aware of dangers which may appear while performing experiments in the General Physics Laboratory. Therefore, it is of a great importance for students to make themselves acquainted with safety rules and regulations and implement them while working in the Lab.

The following regulations will be enforced.

General regulations

1. Students are obliged to participate in safety basic training during the first classes and to make themselves acquainted with rules and regulations in the General Physics Laboratory (GPL).
2. Students must obey rules and regulations in the GPL.
3. Do not modify or damage the laboratory equipment. If the equipment is not working or you would find any defects notify your supervisor.
4. Leave your lab bench with the equipment neatly placed .
5. Report all unsafe conditions or personal injuries to the supervisor immediately.

Detailed rules

1. Danger of fire can appear while carelessly dealing with inflammable liquids (e.g. methylated spirit) or electric heaters. Spilling methylated spirit in the vicinity of an electric radiator may result in a fire. In case of fire follow the instructions of your supervisor or the GPL staff members, who are responsible for evacuation.
2. Danger of a burn may not only appear during a fire but also while carelessly dealing with hot liquids, electric heaters and thermostats.
3. To avoid an electric shock be careful while working with electrical circuits. All the electrical devices utilized in the Lab are designed to be completely safe under normal conditions. However, danger of a shock is quite realistic in case of the experiments in which power supplies (generating voltage up to 60V) and autotransformers (working in the range of 0-250V) are used. Therefore use caution when dealing with electrical circuits. Pay attention to the good condition of wires insulation. Do not touch neither bare wires nor metal parts of sockets and plugs.
4. Spectral lamps Hg, He, H, Cd generate UV radiation. It is prohibited to look directly, i.e. without protective glasses, at the lamp burner.
5. Laser light is harmful for your eyes. It may also cause burns. Never look into the laser beam and point it towards other people present in the Lab.