

OCCUPATIONAL HEALTH AND SAFETY INSTRUCTIONS IN THE PHYSICS LABORATORY

In order to ensure correct occupational health and safety conditions in physics laboratory students are required to comply with the following rules:

1. Only persons participating in the exercise may be present in the laboratory.
2. Installation of measurement systems and making changes in electrical circuits should be made without connection to the power supply.
3. Connection of the measuring system to the power supply is allowed only with the teacher permission.
4. Special care should be taken when disconnecting high-inductance systems from the electrical voltage.
5. It is forbidden to touch exposed elements that are under electric voltage.
6. The disconnection from the network of regulated power sources can take place after the voltage has been reduced to a minimum.
7. Be careful and do not open devices that produce steam during operation. Check and, if necessary, top up the amount of water in the heater before switching it on.
8. Any damage or defect of the laboratory equipment (power supplies, electric meters, wires, etc.) should be reported immediately to the teacher.
9. After completing the measurements and obtaining the teacher's signature under the measurement table, you should make order at your work place. Pay attention to switching off the power supplies and meters and disconnecting the measuring systems. The potentiometers should be left turned to the minimum position and the network buttons should be turned off.

REGULATIONS IN THE PHYSICS LABORATORY

1. The student who comes to the classes must know the exact subject of the exercise, theoretical issues and the manner of performing the exercise.
2. Before leaving the laboratory, a table with measurement results should be submitted to the teacher for signing. Although students usually work in two-person teams, each student should have a separate table.
3. Students work exclusively with the apparatus intended to perform their exercise.
4. For all exercises where the apparatus connects to the power source, the student, after preparing the measurement set, reports to the teacher, who after checking the circuit will allow the power supply to be switched on.
5. In the case of justified absence, the method of supplementing the exercise is determined individually with the teacher. In a typical situation, if the teacher decides so, the supplementing of the exercises to the number fixed by the teacher takes place on the last class in the semester.
6. The student should take care of the elements of the exercise sets. For damages and destruction, due to the student's fault, he bears financial responsibility.
7. Conditions for passing the exercise:
 - a) theoretical knowledge about the exercise,
 - b) taking measurements and getting a teacher's signature under the table,
 - c) performance of the report on A4 paper, which should include the following elements:
 - first name and surname, field and year of study, date, exercise topic, number of exercise,
 - a brief description of the exercise,
 - measurement table signed by the teacher,
 - calculations necessary in a given exercise,
 - plots (if they are recommended in the instruction),
 - calculations and discussing of the measurement uncertainties,
 - conclusions.

A student who is not familiar with the theory of the current exercise, as well as a student who does not provide the report from the previous exercise, may not be allowed to take further measurements.