

**SAFETY INSTRUCTIONS**  
CONCERNING STUDENTS CONDUCTING EXPERIMENTAL RESEARCHES BEING A  
PART OF DIPLOMA THESIS OR ENGINEERING PROJECTS

**Students are obliged:**

- 1) Know and obey the rules of this safety instruction while working in the Laboratory of Faculty of Civil Engineering.
- 2) Keep all assigned equipment and personal protective equipment (safety goggles, helmets, reflective vests) in good condition and use them in accordance with the intended of use.
- 3) In the event of an accident, provide first aid, inform competent persons and secure the place of the accident.

**It is necessary before starting the tests:**

- 1) Check the technical condition of laboratory equipment.
- 2) Remove unnecessary items from laboratory tables, desks, communication routes and areas dedicated for the research.
- 3) Be familiar with: the description of the test procedures, the necessary equipment and material (according to standards and instructions).

**It is necessary during the tests:**

- 1) Moving in the laboratory only along designated communication routes.
- 2) Be careful during laboratory activities (preparation of concrete, mortar, masonry and steel samples).
- 3) Use instruments and accessories adapted to the right activities (sample demolding, mold cleaning, masonry, painting the research models, installation of measurement sensors). All activities must be supervised.
- 4) Inform the tutor about each defect or damage that is found.
- 5) Take special care when using machines for strength tests; approaching samples which are loaded (observation and measurement of crack width) only after giving permission by the tutor. Otherwise, keep the distance from the sample not less than 1.5 m
- 6) Obtain permission for operating the stand, in particular for reading data and for downloading test results.
- 7) Obtain permission for operating the stand (after the training and strict definition of the range of activities).
- 8) Be careful that instruments and measuring equipment are not mechanically damaged as they may cause dangerous failures.
- 9) Respect the property of the Laboratory. The person causing the damage is responsible for caused damages.

**It is necessary after finishing work:**

- 1) Clean up laboratory tables, desks, communication routes and test stands.
- 2) Put the waste in the correct container.
- 3) Clean the used research equipment.
- 4) The whole laboratory and measuring equipment should be put on the right place.
- 5) Report the tutor all noticed failures and damages.

**It is forbidden:**

- 1) Use without supervision:
  - a) power tools: welding machine, drill, grinder, circular saw, diamond saw, drill,
  - b) gantry,
  - c) testing machines,
  - d) other devices (without tutor's permission).
- 2) Lifting and moving items of the weight over 10 kg.
- 3) Staying on temporary platforms and work platforms.
- 4) Unauthorized adjustment, repair, changes in the construction of instruments and use them for other purposes than expected.
- 5) Unjustified manipulation of buttons and knobs placed in the test stands and other measuring devices.
- 6) It is forbidden to disassemble devices, disassemble covers, weights, etc. It's also forbidden to perform an activity that could put you or other persons in danger.
- 7) Using faulty devices, tools, and accessories.

Regulations were approved on 1.10.2020r.