**Record**

**of training and verification of knowledge of safety rules for the activities of male and female students**

**on electrical equipment in the laboratories at FEECS VSB-TUO,**

**pursuant to § 19 of Act No. 250/2021 Coll. and § 4 of Government Regulation No. 194/2022 Coll., as amended**

The undersigned students confirm that they have been personally instructed and informed of the safety regulations for the operation of and work on electrical equipment according to the local operating safety regulations of the laboratory\* within the scope of the attached syllabus and the methods of ensuring protection against electric shock, as well as the method of providing first aid in case of electric shock. With their signatures, they also confirm that they have fully understood the explanation and that the trainer has clarified any ambiguities. The training outline is given in Annex 1, an integral part of these records. The undersigned person conducting the training certifies by their signature the verification of the students' knowledge of these safety rules.

academic year: \_\_\_\_\_\_\_\_\_\_\_ semester: \_\_\_\_\_\_\_\_\_\_\_ schedule group: \_\_\_\_\_\_\_\_\_\_\_\_\_ lab\*: \_\_\_\_\_\_\_\_\_\_\_\_

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| ***Nr.*** | ***Date of training*** | ***Surname and name*****male/female student** | ***Login*** | ***ES Examination (YES/NO)*** | ***Signature*** |
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Training and verification of knowledge of safety rules for work on electrical equipment in the lab\* was carried out by:

 ………………………… ……………………………………………………………………………… …………………………*………………………… department title, name, surname signature*

**Annex 1**

**Electrical Safety (ES) Training Outline and Local Operating Safety Rules
of a given laboratory for instructed persons (for students of all subjects of FEECS VSB-TUO)**

# 1. Safety of work in electrical engineering

* 1. Act No. 262/2006 Coll. Labour Code:
1. employee’s (student’s) duties;
2. personal protective equipment;
3. prohibited activities.
	1. Act No. 250/2021 Coll. and Government Regulation No. 194/2022 Coll., qualification of personnel (instructed persons).
	2. Basic safety regulations for attendance and work on electrical devices – ČSN EN 50110-1 ed. 3.
	3. Colour coding of conductors, tell-tales, and actuators (ČSN EN 60445 ed. 6, ČSN EN 60073 ed. 2).

# 2. Safety of work in laboratories

* 1. Fire protection.
	2. Fire risks in workplaces.
	3. Fighting fires of electrical equipment.
	4. Working conditions, workflows and list of prohibited activities.

# 3. Instructions about the operating rules of the laboratories

* 1. Operating rules, specification of students’ duties, warning of specific risks.
	2. Rules of use of HW and SW in PC laboratories and PC classrooms.
	3. Familiarisation with the operation of laboratories, location of the main safety switch, location of fire extinguishers and their use.
	4. Important phone numbers in the event of fire (fl. 3111, ph. 150) or electric shock (ph. 155 or 112).

# 4. Effects of electric current on the human organism, principles of the provision of first aid

* 1. Physiological effects of electric current on the human organism.
	2. Conditions for the occurrence of electric shock.
	3. Division of voltage from the point of view of dangerous contact.
	4. Division of currents from the point of view of dangerous contact.
	5. First aid in electric shocks and burn injuries.