

COURSE GUIDE – short form

Academic year 2024-2026

Course name ¹	ELECTROSECURITY				Course code	4.ISI.10.DS-2			
Course type ²	DS	Category ³	DO	Year of study	4	Semester	7	Number of credit points	4

Faculty	Materials science and engineering				Number of teaching and learning hours ⁴					
Field	Industrial engineering				Total	L	T	LB	P	IS
Specialization	Security engineering industry				100	28	-	14	-	58

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	Electrotechnics

General objective ⁶	Technical training in the field of electrical safety in the industry, as the basis of technical and technological scientific development for postgraduate activities
Specific objectives ⁷	<ul style="list-style-type: none"> • The knowledge base must develop common sense and logical thinking based on a sound technical theoretical. • Technical Thinking should be well connected with economic thinking, so that any technology should be understood as efficient possibility of achieving optimal production and quality.
Course description ⁸	<ul style="list-style-type: none"> • Earthing electrical installations; • Human Protection against accidental touch voltages; • Methods of protection against direct touches. • Protection against indirect methods. • Methods for extra protection. • First aid in case of accident (electric shock, burns).

Assesment			Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	20%	S7; S12	80% (minimum 5)
	Home works	%		
	Other activities	%		
	Examination procedures and conditions: 1. T; answer the question closed, working conditions - written response - 40%; 2. T; answer the question closed, working conditions - written response - 40%; 3. T; written response to questions from laboratory work - 20%	80% (minimum grade 5)	Week S14	
C. Laboratory	Attvity during laboratory			20% (minimum 5)

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Teaching assistants	Şef lucr.dr.ing. Mihai Adrian BERNEVIG

¹Course name from the curriculum

² DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

³ DI – imposed, DO –optional, DL – facultative (from the curriculum)

⁴ Points 3.8, 3.5, 3.6a,b,c, 3.7 from the Course guide – extended form (L-lecture, T-tutorial, LB-laboratory works, P-project, IS-individual study)

⁵ According to 4.1 – Pre-requisites - from the Course guide – extended form

⁶ According to 7.1 from the Course guide – extended form

⁷ According to 7.2 from the Course guide – extended form

⁸ Short description of the course, according to point 8 from the Course guide – extended form

⁹ For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

¹⁰ A minimum grade might be imposed for some assessment stages

¹¹ Exam or colloquium