

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	Information Technology and Interactive Systems					Course code	ISSM IA 104			
Course type ²	DS	Category ³	DI	Year of study	1	Semester	1	Number of credit points	4	

Faculty	Material Science and Engineering				Number of teaching and learning hours ⁴					
Field	Industrial Engineering				Total	L	T	LB	P	IS
Specialization	Engineering Safety and Health at Work				100	28	14	-	-	58

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	-

General objective ⁶	<ul style="list-style-type: none"> • Developing practical sense and logical technical thinking to integrate health and safety principles into work processes by using computer systems
Specific objectives ⁷	<ul style="list-style-type: none"> • Linking technical thinking to economic thinking, so that professional projects with specificity are understood as an efficient way to achieve production in optimal and quality conditions. • Identifying optimal ways of communication and providing support for communicating information as efficiently as possible
Course description ⁸	Components of a computer system, computer applications

Assesment			Schedule ⁹	Percentage in the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	20%	W5, W10	70% (minimum 5)
	Home works	%		
	Other activities	%		
Exam / Colloquium	Examination procedures and conditions: Probe 1: working conditions; percent of the final grade %; 1. Theoretical knowledge, tasks, working conditions	80% (minimum 5)	Week 14	
B. Seminar	Activity during seminar			30% (minimum 5)
C. Laboratory	Activity during laboratory			% (minimum 5)
D. Project	Activity during project			% (minimum 5)

Course organizer	Lecturer PhD. Eng. Alin Marian CAZAC
Teaching assistants	Lecturer PhD. Eng. Alin Marian CAZAC

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