

COURSE GUIDE – short form

Academic year 2021-2022

Course name ¹	Occupational hazards caused by industrial employment system components (3)					Course code	4ISI04DS			
Course type ²	DS	Category ³	DI	Year of study	4	Semester	7	Number of credit points	5	

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴					
Field	Industrial Engineering	Total	L	T	LB	P	IS
Specialization	Safety Engineering in Industry	84	28	28	-	28	-

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	Occupational hazards caused by industrial employment system components (1), Occupational hazards caused by industrial employment system components (2)

General objective ⁶	Development of practical sense and logical technical thinking in order to integrate the principles of safety and health in work processes, by identifying and evaluating the professional risks related to the workload and executor, based on a thorough theoretical training.
Specific objectives ⁷	Connecting the technical thinking with the economic thinking, so that the projects with specific identification and evaluation of the professional risks related to the workload and the executor to be understood as an efficient possibility to achieve the production in optimal and quality conditions. Knowledge of safety and health requirements regarding the executor and the workload for prevention of specific hazards.
Course description ⁸	Terms and definitions regarding occupational hazards and risks generated by the components of the industrial work system - executor and workload. Selection and hiring of staff. Labor contract. Qualification and authorization of trades. Job description - tool for assigning the task specific to the activities carried out. Identification of hazards and risks generated by the executor at work-workplace. Identification of dangers and risks generated by the workload at work-workplace. Identification of specific hazards and risks generated by workers in the category of risk sensitive groups. Measures to prevent the risks of accidents and occupational diseases specific to the executor. Measures to prevent the risks of accidents and occupational diseases specific to work tasks. Prevention and protection plan.

Assessment		Schedule ⁹	Percentage in the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	%	50% (minimum 5)
	Home works	%	
	Other activities	%	
Exam / Colloquium	Examination procedures and conditions: Probe 1: Oral examination with 2 subjects;	50% (minimum 5)	
B. Seminar	Activity during seminar		20% (minimum 5)
C. Laboratory	Activity during laboratory		% (minimum 5)
D. Project	Activity during project		30% (minimum 5)

Course organizer	Engineer George Daniel TANASIEVICI
Teaching assistants	Engineer Gabriela CĂLDĂRESCU

¹ Course 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