

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	OCCUPATIONAL RISKS GENERATED BY THE COMPONENTS OF THE INDUSTRIAL WORK SYSTEM (2)					Course code		3ISI08DS	
Course type ²	DS	Category ³	DI	Year of study	3	Semester	6	Number of credit points	6

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	150	28	-	14	28	80

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

General objective ⁶	Integrate the principles of safety and health in work processes by identifying occupational hazards caused by industrial employment system components (means of production)
Specific objectives ⁷	Identifying risks of means of production (machinery, plant, equipment, devices, tools and other similar means used for executing work on the task) Knowledge of health and safety requirements relating to design and construction machines, preventing specific hazards due to maintenance, their mobility and lifting operations;
Course description ⁸	Technical equipment (machinery, equipment, apparatus, devices, tools) - identifying risk; Essential health and safety requirements relating to design and construction of machinery and safety components;

Assesment			Schedule ⁹	Percentage in the final grade (minimum grade) ⁹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	%	exam period	50 %
	Home works	%		
	Other activities	%		
	Examination procedures and conditions: 1. theoretical question; open questions of course, working conditions: oral; percent of the final grade: 50% 2. theoretical question; open questions of course, working conditions: oral; percent of the final grade: 50%	100 %		
B. Seminar	Activity during seminar			10%
D. Project	Activity during project			40%

Course organizer	Assoc.prof. Ph.D., eng. Nicoleta- Monica LOHAN
Teaching assistants	Assoc.prof. Ph.D., eng. Nicoleta- Monica LOHAN

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)

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- 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
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- 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