

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	Practice for the elaboration of the diploma project					Course code		4.ISI.09.DS	
Course type ²	DS	Category ³	DI	Year of study	4	Semester	8	Number of credit points	2

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	60	-	-	-	-	-

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	

General objective ⁶	<ul style="list-style-type: none"> • Development of practical sense and logical technical thinking in order to integrate safety and health principles into work processes and the assessment of professional risks, based on a thorough theoretical training. • The discipline aims to fix the practical elements studied at the laboratory/seminar level to the subjects in the education plan corresponding to the first, second, third and fourth years of studies, especially the specialized subjects, by exemplifying them in industrial practice.
Specific objectives ⁷	<ul style="list-style-type: none"> • Connecting technical thinking with economic thinking, so that professional projects with the specific identification and assessment of professional risks are understood as an effective possibility to achieve production in optimal and quality conditions • Knowledge of the legislation related to the field of occupational health and safety. • Knowledge of the mechanisms of production of work accidents and occupational diseases in the main industrial activities. • The acquisition of specific methods and techniques for identifying the risks of occupational accidents and illnesses with a high incidence and significant impact on the performance of the activity within the organizations.
Course description ⁸	Essential requirements for safety and health related to the components of the work system, methods of risk analysis and evaluation of safety at work, of collective and individual protection in industry, of audit in safety in industry.

Assesment			Schedule ⁹	Percentage in the final grade (minimum grade) ⁹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	%		100%
	Home works	%		
	Other activities	%		
	Examination procedures and conditions: oral examination	100%		

Course organizer	
Teaching assistants	Assoc.prof. Ioan-Gabriel SANDU

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)

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

⁶According 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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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