

COURSE GUIDE – short form

Academic year 2021-2022

Course name ¹	Analysis and research of work accidents					Course code	ISSM IA 108			
Course type ²	DS	Category ³	DI	Year of study	1	Semester	2	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	Safety Engineering in Industry	42	28	-	-	14	-

Pre-requisites from the curriculum ⁵	Compulsory	Accidents at work and occupational diseases in industry.
	Recommended	Occupational risks generated by the components of the industrial work system (1); Occupational risks generated by the components of the industrial work system (2); Occupational risks generated by the components of the industrial work system (3).

General objective ⁶	Developing the capacity to analyze and research work events / accidents, in order to establish the circumstances, causes, violated legal regulations, responsibilities, the nature of the accident, as well as the measures that must be taken, based on technical and logical thinking.
Specific objectives ⁷	<ul style="list-style-type: none"> • Combining legislative knowledge specific to occupational safety and health with technical thinking. • Development of communication skills at all hierarchical levels. • Respecting ethics and professional conduct in analyzing and researching events / accidents at work.
Course description ⁸	Theoretical bases of research of work events / accidents. Analysis of the causality of events / work accidents. Investigation of dangerous incidents. Investigation of the events that produce: temporary incapacity for work / disability / death. Investigation of collective accidents. Communication and analysis of the state of affairs resulting from the occurrence of an event / work accident. The content of the research file of the events and the analysis of the documents that are an integral part of the research. The content of the research report; Analysis of legal consequences and responsibilities as a result of an event / work accident. Approval, registration and record of work events / accidents. Project realization: Researching the occurrence of an event at a workplace.

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 3 subjects;	50% (minimum 5)	Session	
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			% (minimum 5)
D. Project	Activity during project			50% (minimum 5)

Course organizer	Engineer George Daniel TANASIEVICI	
Teaching assistants	Engineer Gabriela CĂLDĂRESCU	

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

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