C O U R S E G U I D E – s h o r t f o r m

Academic year 2024 -2025

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	Engineering safety and health at work	100	28	-	-	14	58

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]	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]: Exam / Colloquium	Test along the way: written test	20 % (minimum 5)	Sixth week of the course	50% (minimum 5)
	HomeWorks	0 %	-	
	Other activities: contest participation	20 %	Last week of the course	
	Tests and conditions for their conduct: Oral test with 2 theoretical subjects	60 % (minimum 5)	Session	
~~B. Seminar~~	~~Activity during seminar~~			~~% (minimum 5)~~
~~C. Laboratory~~	~~Activity during laboratory~~			~~% (minimum 5)~~
D. Project	Project activity, completed with its presentation	Last 2 weeks of the project		50% (minimum 5)

Course organizer	Phd.Eng. George Daniel TANASIEVICI	
Teaching assistants	Phd.Eng. 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