C O U R S E   G U I D E – s h o r t   f o r m
Academic year 2021-2022

Course name[1]	Accidents at work and occupational diseases in industry						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	-

General objective [6]	Knowledge of the notions of research of work events / accidents as well as of the causes, mechanisms, manifestations and treatment principles of the main occupational diseases.
Specific objectives[7]	Knowledge of diagnostic criteria for occupational diseases. Knowledge of the notions of treatment of the main occupational diseases. Legislative knowledge in the field of occupational safety and health specific to the investigation of accidents at work. Respecting professional ethics and conduct in analyzing and researching work events / accidents.
Course description[8]	Introductory notions. Terms and definitions. Communication and research of events. The content of the event research file. Content of the research report. Legal consequences and responsibilities as a result of a work event / accident. Approval, registration and record of work events / accidents. Definitions, Professional nuisances - definition, classification, evaluation and control. Occupational diseases - definition, diagnosis, declaration, research, evidence. Occupational medicine - definition, organization. Occupational toxicology: General; etiology; Acute occupational poisoning; First aid measures; Prevention and control measures. Professional intoxication with metals and metalloids; irritants and asphyxiates; acids, alcohols, hydrocarbons; pesticides. Employee health assessment: General methodology of employee medical examination. Medical expertise and work capacity recovery. First aid in traumatic injuries, thermal injuries, burns, hyperthermia; hypothermia and electrical. Occupational toxic risk: Toxic risk assessment; First aid algorithm in intoxications; Antidotes Occupational asthma; Occupational cancer; Occupational dermatoses. Project: Research into the occurrence of an event at a workplace.

Assessment		Sche-dule[9]	Percentage in the final grade (minimum grade)[10]
A. Final assessment form[11]:	Class tests along the semester	%	
	Home works	%	-
	Other activities	%	-
Exam / ~~Colloquium~~	Examination procedures and conditions: Probe 1: Oral examination with 2 subjects;	50% (mini-mum 5)	Session	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	PhD. Eng. Gabriela CĂLDĂRESCU/ Head of work, Ph.D. Liviu STATE	
Teaching assistants	PhD. Eng. Gabriela CĂLDĂRESCU/ Head of work, Ph.D. Liviu STATE	

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[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