

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	Basics of Occupational Hygiene					Course code	3ISI03DS			
Course type ²	DS	Category ³	DI	Year of study	III	Semester	5	Number of credit points	5	

Faculty	Materials Science and Engineering	Number of teaching and learning hours ⁴					
Field	Industrial Engineering	Total	L	T	LB	P	IS
Specialization	Security Engineering industry	125	42	-	28	-	55

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	-

General objective ⁶	<p>Security in Industry and Engineering involves management of risk factors in relation to the human factor. This is possible only by combining technical knowledge and technological with intrinsic properties of the noxious generated by production processes. In this context, the main objectives of the discipline are:</p> <ul style="list-style-type: none"> - understand the concept of harmfulness and ways to quantify; the study of physical and chemical pollutants (features, identification and quantification mode); - principles of assessment of exposure to the hazard; - work safety in relation to industrial noxious and exposure management.
Specific objectives ⁷	<ul style="list-style-type: none"> • formation of aptitudes for the recognition, measurement and keeping under control the human exposure to noxious factors to health and safety at work; ability to anticipate dangerous situations and / or deleterious in their work; ability to propose and implement technical and organizational solutions for industrial security
Course description ⁸	Introduction, Occupational hygiene in the world, Professional noxious, Physical noxious, Chemical noxious, Biological noxious , Assessment of exposure to professional noxious, Securitatea work and occupational noxious, Applications

Assesment			Schedule ⁹	Percentage in the final grade(minimum grade) ¹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	20%	week 7	70% (minimum 5)
	Home works	%		
	Other activities	%		
	Examination procedures and conditions:exam.oral Probe 1: theoretical question; open questions of course, working conditions: oral; percent of the final grade: 30%; Probe 2: theoretical question; open questions of course, working conditions: oral; percent of the final grade: 30%; Probe 3: theoretical question; open questions in the lab, working conditions: oral; percent of the final grade: 40%	80% (minimum 5)	Exam period	
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			30% (minimum 5)
D. Project	Activity during project			% (minimum 5)

Course organizer	Associate Professor, Ph.D. Corăbieru Anișoara
Teaching assistants	Associate Professor, Ph.D. Corăbieru Anișoara

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)

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

⁹For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

¹⁰A minimum grade might be imposed for some assessment stages

¹¹Exam or colloquium