

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	Industrial waste processing technologies					Course code	3ISI11DS-2			
Course type ²	DS	Category ³	DO	Year of study	3	Semester	5	Number of credit points	4	

Faculty	Materials Science and Engineering	Number of teaching and learning hours ⁴					
Field	Industrial Engineering	Total	L	T	LB	P	IS
Specialization	Security Engineering in Industry	100	28	-	28	-	44

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	Chemistry, Materials Science and Engineering

General objective ⁶	Acquiring and appropriate use of concepts and methods for the processing of hazardous industrial waste
Specific objectives ⁷	Acquiring legislative rules on handling, storage and disposal of hazardous waste; Identify wastes and hazardous substances from industrial activities; Gaining theoretical methods for the handling, storage and processing of hazardous industrial waste;
Course description ⁸	Industrial waste, categories, concepts, definitions; Sources of pollution, solid and liquid hazardous waste, gaseous substances; Transport, handling, processing and storage of dangerous substances; Hazardous waste processing technologies;

Assesment			Schedule ⁹	Percentage in the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ : Colloquium	Class tests along the semester	20%	Week 12	70% (minimum 5)
	Home works	%	-	
	Other activities	%	-	
	Examination procedures and conditions: Probe 1: Oral examination with minimum 2 open questions	80% (minimum 5)	Week 14	
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			30% (minimum 5)
D. Project	Activity during project			% (minimum 5)

Course organizer	Assist. prof. phd. eng. Ioan Gabriel SANDU	
Teaching assistants	Assist. prof. phd. eng. 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

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