

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	Practice / Research (sem.4)					Course code	ISSM PA 206			
Course type ²	DS	Category ³	DI	Year of study	2	Semester	4	Number of credit points	10	

Faculty	Materials 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				250	-	-	178	-	72

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	Training human resources capable of contributing to the development of scientific knowledge, by cultivating the theoretical, practical and managerial skills necessary to prepare a documentary synthesis and use experimental analysis techniques for documentation purposes.
Specific objectives ⁷	Preparation of a documentary synthesis in the thematic area of the dissertation. Mastering the way of working on the equipment provided. Connecting technical thinking with economic thinking, so that projects are understood as an efficient possibility of carrying out the activity in optimal conditions, quality and in accordance with the principles of occupational health and safety imposed by the management systems. Occupational health and safety management in the development and implementation of integrated management systems: quality, occupational health and safety and environment, according to new trends at European and international level for the systematic application of occupational health and safety legislation, with the aim of integrating this field into the general management of the unit.
Course description ⁸	Occupational health and safety provisions applicable to practical activities (laboratory) Legislative requirements applicable in Romania and the EU. Verification/auditing of the existing situation in a systematic manner and in accordance with the applicable legal requirements Proposals for improving the level of security and eliminating the risks of occupational accidents and illnesses within the unit where the practical activity was carried out. The creation and implementation of specific S.S.M. procedures in the analyzed work system. Analysis of international databases (Web of Science, Scopus, EBSCO, Springerlink, Science Direct, etc.) in order to carry out a documentary synthesis in the thematic area of the dissertation work. The structure, operating principle and working method of the devices for performing specific determinations.

Assessment			Schedule ⁹	Percentage in the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	%		
	Home works	%		
	Other activities	%		
Exam	Final evaluation	%		

		(minimum 5)	
B. Seminar	Activity during seminar: evidence of answers, paper portfolio (reports, scientific reviews)		
C. Laboratory	Activity during laboratory		100 %
	<ul style="list-style-type: none"> • Written test • Laboratory register (experimental files, reviews) • Practical demonstration 		
D. Project	Activity during project		

Course organizer		
Teaching assistants	Prof. PhD. Eng. Costică BEJINARIU	

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

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