

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	Machine Tools					Course code	3ISI13 DD-2			
Course type ²	DID	Category ³	DI	Year of study	3	Semester	6	Number of credit points	3	

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	75	28	-	28	-	19

Pre-requisites from the curriculum ⁵	Compulsory	Technology of mechanical processing
	Recommended	Tolerances and dimensional control

General objective ⁶	Knowledge and substantiation of the construction and operation of machine tools
Specific objectives ⁷	Structural elements of machine tools, methods and mechanisms for regulating the main and forward kinematic chains, for transforming rotational movements into translation
Course description ⁸	The cutting process, the MUSDP system, the structure and kinematic regulation of machine tools

Assesment			Schedule ⁹	Percentage in the final grade (minimum grade) ⁹⁰
A. Final assessment form ¹¹ : colloquium	Class tests along the semester	%		50% (minimum 5)
	Home works	%		
	Other activities	%		
	Examination procedures and conditions: mixed assessment, subject with closed/open questions	100%	Week 14	
B. Seminar	Activity during seminar			-
C. Laboratory	Activity during laboratory			50% (minimum 5)
D. Project	Activity during project			-

Course organizer	Professor Radu Ioachim Comănesci	
Teaching assistants	Professor Radu Ioachim Comănesci	

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

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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