

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	TECHNOLOGICAL DEVICES (2)					Course code	3.IS.I12.DD-1			
Course type ²	DD	Category ³	DO	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	-
	Recommended	Technical Drawing

General objective ⁶	Technical training in machining, as the basis of technical and technological scientific development for the coming years
Specific objectives ⁷	<ul style="list-style-type: none"> The knowledge base must develop common sense and logical thinking based on a sound technical theoretical. Technical Thinking should be well connected with economic thinking, so that any technology should be understood as efficient possibility of achieving optimal production and quality.
Course description ⁸	<ul style="list-style-type: none"> Materials for Mechanical technological devices; Place and role of devices in the mechanical machining operations; Systems and Control actuators; Guidance Scheme for processing and fixing parts; Design guidance schemes pieces; Design parts fixing schemes; System device - blank linked to mass machine – tool; System device - blank linked to the main shaft; Stability and rigidity blanks. Errors tightening.

Assesment			Schedule ⁹	Percentage in the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	20%		80% (minimum 5)
	Home works	%		
	Other activities	%		
	Examination procedures and conditions: exam.oral Probe 1: working conditions; percent of the final grade %; Oral exam with topics from the theoretical part of the course.	80% (minimum 5)	Week. 14	
C. Laboratory	Activity during laboratory			20% (minimum 5)

Course organizer	Conf. dr. ing. Ioan Gabriel Sandu	
Teaching assistants	Conf. dr. ing. 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)

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