COURSE GUIDE – short form

Academic year 2021 - 2022

Course name ¹	TRANSDUCERS AND MEASURING TECHNIQUES				Discipline code			3 EPI 1	13	
Course type ²	DS	Category ³	DO	Year of study	3	Semester	5	N cre	umber of dit points	5

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴					
Field	Mechanical Engineering	Total	L	Т	LB	Р	IS
Specialization	EPI		28	-	14	-	2

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	-

General objective ⁶ Knowing of the modern techniques of the automatic measurements of the parameters and of the constructive-functional principles of different types				
Specific objectives ⁷	Knowing of information about the rolle and the placement of the transducers in the automatic systems; the general structure of the transducer; characteristics and general performances, constructive parts; sensitive elements and adaptors; transducers for different kinds of measurements.			
Course description ⁸	Sensitive elements and adapters; general principles used for the selection of the transducers. Transducers for electric variables; radiation receiver; temperature detector; pressure detector; force and moment detectors; vibration and speed detectors.			

Assessment		Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰			
	Class t	ests along the semester	- %	week			
	Home	works	- %				
A. Final assessment form ¹¹ colloquium	Other a	activities	- %	week	<u>80</u> 0/		
	Examin 1. Su conditi 2, 3,	nation procedures and conditions: bject with open questions, working ons oral, percent 100 %; working conditions -, percent %; working conditions -, percent %	100 % (minimum 5)	week 14	(minimum 5)		
B. Seminar	- % (minimum 5)						
C. Laboratory Activity during laboratory					20 % (minimum 5)		
D. Project Activity during project					- % (minimum 5)		
Course organizer Lecturer.Phd.Eng.Elena CHIRILĂ							
Teaching assistants Lecturer.Phd.Eng.Elena CHIRILĂ							

¹Course name from the curriculum

² DF – fundamental, DD – 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