COURSE GUIDE – short form

Academic year 2018 - 2019

Course name ¹	MODERN EQUIPMENTS IN SURFACE ENGINEERING (2)					Discipline code			1 SITM	09
Course type ²	DA	Category ³	DI	Year of study	1M	Semester	2	N crea	umber of dit points	5

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴				ng	
Field	Mechanical Engineering	Total	L	Т	LB	Р	IS
Specialization	SITM		28	-	28	-	56

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	-

General objective ⁶	The establishment of functional goal and the imposed properties of metallic parts, us specialized equipments in surface engineering			
Specific objectives ⁷	Techniques and equipments for surface treatment based on thin layers deposition Techniques and equipments for surface treatment based on chemical conversion			
Course description ⁸	 Deposition layer concept Chemical and electrochemical deposition Thermal spraying deposition Plating deposition Deposition methods CVD deposition PVD deposition Thin layers characterization 			

Assessment			Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰		
	Class t	ests along the semester	%	week			
A. Final assessment form ¹¹ exam	Home	works	%				
	Other a	activities	%	week	50 0/		
	Examin 1. Su conditi 2, - 3, -	hation procedures and conditions: bject with open questions, working ons oral, percent 50 %; working conditions -, percent %; working conditions -, percent %	50 % (minimum 5)	exam period	(minimum 5)		
B. Seminar	% (minimum 5)						
C. Laboratory Activity during laboratory					50 % (minimum 5)		
D. Project Activity during project					% (minimum 5)		
Course organizer professor phd. eng. Gălușcă Dan Gelu							
Teaching assistants lecturer phd. eng. Achiței Dragoș							

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, Pproject, 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