COURSE GUIDE - short form

Academic year 2018-2019

Course name ¹	e ¹ FUNCTIONAL LAYERS				Course code			1MATAE DA02		
Course type ²	DID	Category ³	DO	Year of study	II	Semester	1	c	mber of credit oints	6

Faculty	MATERIALS SCIENCE AND ENGINEERING	Number of teaching and learning hours ⁴			ning		
Field	INDUSTRIAL ENGINEERING	Total	L	Т	LB	Р	IS
Specialization	MATAE	150	14	-	14	-	122

Pre-requisites from the curriculum ⁵	Compulsory	Material science
	Recommended	Physics

General objective ⁶	Assimilation of techniques for obtaining and analysis of functional layers
Specific objectives ⁷	 The theoretical understanding of the way in which the deposition of functional material is achieved Practical assimilation of the methods and means of achieving the layers deposited by thermal spraying processes Theoretical and practical assimilation of methods and means for characterization of the layers deposited by thermal spraying processes
Course description ⁸	Corrosion-resistant, wear-resistant deposits

	Assesment		Sche- dule ⁹	Percentage in the final grade(minimum grade) ¹⁰
	Class tests along the semester	%	-	
A. Final assessment	Home works	20%	6 th , 12 th week	60% (minimum
form ¹¹ :	Other activities	%	-	60% (minimum 5)
Exam	 Examination procedures and conditions: 1 Treating a two subjects theoretic p₁ = 35%; p₂ = 35%; 2. Treating a subject practice P = 30%. 	80% (mini- mum 5)	-	3)
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	40% (minimum 5)			
D. Project	% (minimum 5)			

Course organizer	Associate Professor PhD. Eng. Stefan Lucian TOMA	
Teaching assistants	Associate Professor PhD Eng. Stefan Lucian TOMA	

 $^{^{1}}$ Course 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, Pproject, IS-individual study)

- 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

⁹For continuous assessment: weeks 1 - 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

¹⁰A minimum grade might be imposed for some assessment stages

¹¹Exam or colloquium

According to 4.1 – Pre-requisites - from the Course guide – extended form