COURSE GUIDE - short form

Academic year 2018-2019

Course name ¹	Electr	o and Magne	torhe	ological Materia	ls	Cours	ode 6MAT	6MATAE DO 15	
Course type ²	DID	Category ³	DO	Year of study	6	Semester	2	Number o credit points	f 6

Faculty	Materials Science and Engineering Number of teaching hours			7			
Field	Materials Engineering	Total	L	Т	LB	Р	IS
Specialization	Advanced Materials and Experimental Analysis Techniques	150	28	-	28	-	94

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	The aim of this course is to convey practical information concerning the perspective of production, fabrication, processing, designing, laboratory study and utilization of electro and magnetorheological materials.
Specific objectives ⁷	Conveying fundamental knowledge concerning: • the functioning principles; • the microstructure; • the properties; • the main applications of electrorheological fluids and magnetorheological suspensions
Course description ⁸	General characterization of electrorheological fluids and magnetorheological suspensions from the point of view of their structure, functioning mechanisms, processing technology and applications.

Assesment			Sche- dule ⁹	Percentage in the final grade (minimum grade) ¹⁰
	Class tests along the semester	%		
	Home works	%		
	Other activities	%		
A. Final assessment form ¹¹ :	Examination procedures and conditions: Probe 1: Grid test with 40 questions, each of them with 4 variants of answer among which only one correct 100%; Probe 2: working conditions; percent of the final grade %; Probe 3: working conditions; percent of the final grade %;	100 % (mini- mum 5)	03- 23.06. 2019	60 %
B. Seminar Activity during seminar			%	
C. Laboratory Activity during laboratory			40 %	
D. Project Activity during project			%	

Course organizer Prof.dr.ing. Leandru-Gheorghe BUJOREANU	
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Teaching assistants	Assist.Lecturer dr.ing. Elena MIHALACHE	
assistants	•	

¹Course name from the curriculum

³ DI – imposed, DO –optional, DL – facultative (from the curriculum)

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

⁶ According to 7.1 from the Course guide – extended form

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

¹⁰ A minimum grade might be imposed for some assessment stages

11 Exam or colloquium

² DF – fundamental, DID – in the field, DS – specialty, DC – complementary (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)

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