COURSE GUIDE - short form

Academic year 2017-2018

Course name ¹	ELEC		AGNE Ateri	ETORHEOLOGIC ALS	LOGICAL Course code				6MATAE DO 15	
Course type ²	DID	Category ³	DO	Year of study	6	Semester	1		No of credit points	6

Faculty	Materials Science and Engineering	Number of teaching and learning hours 4			ning		
Field	Materials Engineering	Total	С	S	L	Р	SI
Specialization	ation MATAE		28	1	28	1	70

Pre-requisites from the curriculum	Mandatory	
	Recommended	-

Course objective ⁵	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 ⁶	Acknowledging the structure, the functioning principles, and the main applications of electrorheological fluids and magnetorheological suspensions.
Course description ⁷	General characterization of superalloys, superalloys microstructure and properties, physical metallurgy of Ni-based superalloys, single crystal superalloys for turbine blades, superalloys applications

	Assessment system	Schedule ⁸	Percentage of the final grade (minimum grade) ⁹	
	Class tests during the semeste	r	Week 1, 8	
Continuous assessment	Activity during tutorials/laborate works/projects/practical work	ory	Week.1-14	20 %
	Specialty home works		Week. 14	20 %
	Final assessment form 10	Exam	Week. 14	
Final assessment	Tasks and their development conditions: Written exam under the form of grid test with 40 questions, each one with 4 variants among which one correct			60 %

Course tenant	Prof.univ.dr.ing. Leandru-Gheorghe BUJOREANU	
Tenant of applications	Asist.univ.ing. Elena MIHALACHE	

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

⁵ According to 7.1 from the Course guide – extended form

⁶ According to 7.2 from the Course guide – extended form

⁷ Short description of the course, according to point 8 from the Course guide – extended form

 $^{^8}$ For continuous assessment: weeks 1-14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

⁹ A minimum grade might be imposed for some assessment stages

¹⁰ Exam or colloquium