COURSE GUIDE - short form

Academic year 2017...2018

Course name ¹	Simulation and experiment applied to stresses and strains analysis					Cours	ode 6 MAT DS 09	6 MATAE DS 09	
Course type ²	DS	Category ³	DI	Year of study	П	Semester	3	Number of credit points	6

Faculty	Faculty of Materials Science and Engineering	Number of teaching and learning hours ⁴			ning		
	Materials engineering	Total	L	Т	LB	Р	IS
Specialization	MATAE	98	14		14		70

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	Presenting, through finite element analysis, the mechanical characteristics measuring technique by tensometry.
Specific objectives ⁷	Acquiring the skills in order to perform mechanical values in forming processes on advanced materials.
Course description ⁸	General methods of the finite element analysis (equilibrium model, strain and stress evaluation, etc.). Measuring mechanical characteristics by mean of tensometry.

Assessment			Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰	
	Class tests along the semester		6, 12	10 %	
Continuous assessment	Activity during tutorials/laborato works/projects/practical work		40 %		
	Assignments		%		
	Final assessment form ¹¹	exam			
Final assessment	Examination procedures and conditions: Examination procedures and conditions: 1. Theoretical close ended questions, orally: 30%; 2. Solving a simulation problem, practically: 70%			50 %	

Course organizer	Ş.I.dr.ing. Diana Antonia GHEORGHIU	
Teaching assistants	Asist. dr.ing. Alin Marian CAZAC	

¹Course 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, 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