C O U R S E G U I D E – s h o r t f o r m

Academic year 2017 - 2018

Course name[1]	**THEORETICAL BASES OF PLASTIC DEFORMATION (1)**					Codul disciplinei		**3 IPM 02**	
Course type[2]	**DID**	Category[3]	**DI**	Year of study	3	Semester	**5**	Number of credit points	**4**

Faculty	Material Science and Engineering	Number of teaching and learning hours[4]					
Field	Materials Engineering	Total	L	T	LB	P	IS
Specialization	IPM	**56**	**28**	**-**	**28**	**-**	

Pre-requisites from the curriculum[5]	Compulsory	
	Recommended	

General objective [6]	Knowledge of theoretical bases of plastic deformation processing
Specific objectives[7]	Design capacity of metallic materials, the concepts, basic theories and methods, the use of basic knowledge in the design of metallic materials, proper use of standard assessment criteria and methods to assess the quality of the design of metallic materials
Course description[8]	Behaviour of metallic materials at the plastic deformation, main effects of plastic deformation (cold-hardening, texturing, residual stresses, thermal effect, properties changes), plasticity, strength of deformation, laws of plastic deformation, thermal regime of plastic deformation

Assessment			Schedule[9]	Percentage of the final grade (minimum grade)[10]
Continuous assessment	Class tests along the semester -		week -	- %
	Activity during tutorials/laboratory works/projects/practical work			50 %
	Assignments -		week	%
Final assessment	Final assessment form[11]	exam	exam period	50 % (minimum 5)
	Examination procedures and conditions: 1. Subject with closed questions ; tasks answer to closed questions ; working conditions oral; percent 50 %; 2. - ; tasks - ; working conditions -; percent %; 3. - ; tasks - ; working conditions -; percent %;			

Course organizer	**Professor, Ph.D., Eng. Dorin LUCA**	
Teaching assistants	**Professor, Ph.D., Eng. Dorin LUCA** **Assistant Professor, Ph.D., Eng. Cătălin-Andrei ȚUGUI**	

[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, 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