

COURSE GUIDE – short form

Academic year 2017 - 2018

Course name ¹	POWDER PROCESSING EQUIPMENT AND TECHNOLOGY				Codul disciplinei		3 EPI 11		
Course type ²	DS	Category ³	DO	Year of study	3	Semester	5	Number of credit points	4

Faculty	Material Science and Engineering				Number of teaching and learning hours ⁴					
Field	Industrial Engineering				Total	L	T	LB	P	IS
Specialization	EPI				42	28	-	14	-	

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	Developing skills related to the processing of parts through powder metallurgy.
Specific objectives ⁷	Knowledge of the equipment used in the manufacture of parts by powder metallurgy. Knowledge of materials processing processes through powder metallurgy.
Course description ⁸	Production of metallic powders. Theoretical bases of physical, chemical and mechanical processes for the preparation of metallic powders. Powder production equipment. Particularities of the processing of the main types of ferrous and non-ferrous metal powders. Powder properties and methods of their determination.

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			40 %
	Assignments -		week	%
Final assessment	Final assessment form ¹¹	colloquium	week 14	60 % (minimum 5)
	Examination procedures and conditions: 1. Subject with open questions ; tasks answer to open questions ; working conditions oral; percent 100 %; 2. - ; tasks - ; working conditions -; percent %; 3. - ; tasks - ; working conditions -; percent %;			

Course organizer	Lecturer Ph.D. Eng. Manuela-Cristina PERJU	
Teaching assistants	Assistant Ph.D. Eng. Catalin Andrei TUGUI	

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