

# COURSE GUIDE – short form

Academic year 2018 - 2019

Course name <sup>1</sup>	<b>POWDER PROCESSING EQUIPMENT AND TECHNOLOGY</b>					Discipline code		<b>3 EPI 11</b>	
Course type <sup>2</sup>	<b>DS</b>	Category <sup>3</sup>	<b>DO</b>	Year of study	3	Semester	<b>5</b>	Number of credit points	<b>4</b>

Faculty	Material Science and Engineering	Number of teaching and learning hours <sup>4</sup>					
Field	Mechanical Engineering	Total	L	T	LB	P	IS
Specialization	EPI	<b>42</b>	<b>28</b>	-	<b>14</b>	-	

Pre-requisites from the curriculum <sup>5</sup>	Compulsory	-
	Recommended	-

General objective <sup>6</sup>	Developing skills related to the processing of parts through powder metallurgy.
Specific objectives <sup>7</sup>	Knowledge of the equipment used in the manufacture of parts by powder metallurgy. Knowledge of materials processing processes through powder metallurgy.
Course description <sup>8</sup>	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 <sup>9</sup>		Percentage of the final grade (minimum grade) <sup>10</sup>
A. Final assessment form <sup>11</sup> colloquium	Class tests along the semester	%	week	60 % (minimum 5)
	Home works	%		
	Other activities	%	week	
	Examination procedures and conditions: 1. Subject with open questions, working conditions oral, percent 100 %; 2. -, working conditions -, percent %; 3. -, working conditions -, percent %	60 % (minimum 5)	week 14	
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			40 % (minimum 5)
D. Project	Activity during project			% (minimum 5)
Course organizer	<b>Lecturer Ph.D. Eng. Manuela-Cristina PERJU</b>			
Teaching assistants	<b>Lecturer Ph.D. Eng. Manuela-Cristina PERJU</b>			

<sup>1</sup>Course name from the curriculum

<sup>2</sup> DF – fundamental, DD – in the field, DS – specialty, DC – complementary (from the curriculum)

<sup>3</sup> DI – imposed, DO –optional, DL – facultative (from the curriculum)

<sup>4</sup> 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)

<sup>5</sup> According to 4.1 – Pre-requisites - from the Course guide – extended form

<sup>6</sup> According to 7.1 from the Course guide – extended form

<sup>7</sup> According to 7.2 from the Course guide – extended form

<sup>8</sup> Short description of the course, according to point 8 from the Course guide – extended form

<sup>9</sup> For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

<sup>10</sup> A minimum grade might be imposed for some assessment stages

---

<sup>11</sup> Exam or colloquium