

# COURSE GUIDE – short form

Academic year 2017-2018

Course name <sup>1</sup>	<b>Powder Metallurgy</b>					Course code	3SM11DS		
Course type <sup>2</sup>	DS	Category <sup>3</sup>	DO	Year of study	3	Semester	5	Number of credit points	4

Faculty	Materials Science and Engineering	Number of teaching and learning hours <sup>4</sup>					
Field	Materials Engineering	Total	L	T	LB	P	IS
Specialization	Materials Science	96	28	-	14	-	54

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

General objective <sup>6</sup>	The optimal evaluation and solution of the technical questions related to processed metal powders by applying concepts, theories and experimental methods.
Specific objectives <sup>7</sup>	<ul style="list-style-type: none"> <li>• The knowledge of the main processes for obtaining metal powders</li> <li>• The understanding the processes for obtaining metal powders</li> <li>• The description of physicochemical and technological properties of metallic powders</li> <li>• The description of technologies for obtaining products from metallic powders</li> </ul>
Course description <sup>8</sup>	Technologies for obtaining metal powders. Properties and Characterization of Metal Powders. Forming metal powders. Sintering.

Assessment		Schedule <sup>9</sup>	Percentage of the final grade (minimum grade) <sup>10</sup>
Continuous assessment	Class tests along the semester		%
	Activity during laboratory works	Weeks 1-14	30 %
	Assignments		%
Final assessment	Final assessment form <sup>11</sup>	colloquium	70 %
	Examination procedures and conditions: 1. Subject with open questions; tasks: answer to open questions; working conditions: oral; percent of the final grade 100 %		

Course organizer	Prof. dr. eng. Romeu Chelariu
Teaching assistants	Prof. dr. eng. Romeu Chelariu

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

<sup>2</sup> DF – fundamental, DID – 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