

# COURSE GUIDE – short form

Academic year 2017 - 2018

Course name <sup>1</sup>	<b>UNCONVENTIONAL MATERIALS TECHNIQUES FOR PROCESSING PLASTIC DEFORMATION</b>				Codul disciplinei	<b>1 TAIPM 06</b>			
Course type <sup>2</sup>	<b>DID</b>	Category <sup>3</sup>	<b>DI</b>	Year of study	1M	Semester	<b>2</b>	Number of credit points	<b>6</b>

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

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

General objective <sup>6</sup>	Presentation and deepening the so-called peak techniques and advanced materials processing by plastic deformation worldwide.
Specific objectives <sup>7</sup>	Description of the process, specific parameters, material flow analysis metal scope.
Course description <sup>8</sup>	Introduction. Processing by plastic deformation of metallic materials with ultrasonic vibrations, by electrorefulare, by high speed molding, by magnetoformare, by plastic deformation by forging orbital, by plastic deformation electropressing, by plastic deformation incremental sheet metal.

Assessment			Schedule <sup>9</sup>	Percentage of the final grade (minimum grade) <sup>10</sup>
Continuous assessment	Class tests along the semester 1		week 8	10 %
	Activity during tutorials/laboratory works/projects/practical work			30 %
	Assignments -		week	%
Final assessment	Final assessment form <sup>11</sup>	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	<b>Lecturer Ph.D. Eng. Manuela-Cristina PERJU</b>	
Teaching assistants	<b>Assist. Ph.D. Eng. Catalin Andrei TUGUI</b>	

<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