

# COURSE GUIDE – short form

Academic year 2021 - 2022

Course name <sup>1</sup>	<b>PROFESSIONAL PRACTICE (SEM. 2)</b>					Discipline code	TAIPM PA 112			
Course type <sup>2</sup>	<b>DS</b>	Category <sup>3</sup>	<b>DI</b>	Year of study	1	Semester	<b>2</b>	Number of credit points	<b>7</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>175</b>	-	-	<b>140</b>	-	<b>35</b>

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

General objective <sup>6</sup>	Development of professional skills in the field of materials advanced processing technologies in support of vocational training.
Specific objectives <sup>7</sup>	<ul style="list-style-type: none"> <li>- Appropriate and efficient use of the basic knowledge, criterias and methods specific to the field of Materials Engineering;</li> <li>- Acquiring the working way on the provided laboratory equipment, which will be used to perform the programmed experiments for the dissertation work.</li> </ul>
Course description <sup>8</sup>	Research theme; Research apparatus; Research methodology; Setting dissertation objective; Bibliographic documentation; Technical literature; Periodical publications; Standards; Technical rules; Online documentation; International databases; Elaboration of documentary synthesis; Dissertation research project; Advanced techniques for material processing by casting, plastic deformation, thermal treatments, surface engineering and powder metallurgy; The drafting of research report.

Assessment		Schedule <sup>9</sup>		Percentage of the final grade (minimum grade) <sup>10</sup>
A. Final assessment form <sup>11</sup> VP	Class tests along the semester	%	week	50 % (minimum 5)
	Home works	80 %		
	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 %	20 % (minimum 5)		
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			50 % (minimum 5)
D. Project	Activity during project			% (minimum 5)
Course organizer				
Teaching assistants	<b>Professor, Ph.D., Eng. Dorin LUCA</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

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<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