

COURSE GUIDE – short form

Academic year 2021 - 2022

Course name ¹	PRACTICE/RESEARCH (SEM. 4)					Discipline code	TAIPM PA 206			
Course type ²	DS	Category ³	DI	Year of study	2	Semester	4	Number of credit points	10	

Faculty	Material Science and Engineering					Number of teaching and learning hours ⁴					
Field	Materials Engineering					Total	L	T	LB	P	IS
Specialization	TAIPM					250	-	-	168	-	82

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	Development of professional skills in the field of materials advanced processing technologies in support of vocational training.
Specific objectives ⁷	<ul style="list-style-type: none"> - Appropriate and efficient use of the basic knowledge, criterias and methods specific to the field of Materials Engineering; - Acquiring the working way on the provided laboratory equipment, which will be used to perform the programmed experiments for the dissertation work.
Course description ⁸	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 ⁹		Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ 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	Professor, Ph.D., Eng. Dorin LUCA			

¹Course name from the curriculum

² DF – fundamental, DD – 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