

COURSE GUIDE – short form

Academic year 2021 - 2022

Course name ¹	DISSERTATION ELABORATION					Discipline code	TAIPM PA 207			
Course type ²	DS	Category ³	DI	Year of study	2	Semester	4	Number of credit points	20	

Faculty	Material Science and Engineering					Number of teaching and learning hours ⁴					
Field	Materials Engineering					Total	L	T	LB	P	IS
Specialization	TAIPM					480	-	-	-	196	284

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	Learning outcomes of a dissertation and a research project in general, in the spirit of integrating the masterand into a computerized industrial society and a competitive market economy.
Specific objectives ⁷	<ul style="list-style-type: none"> - Developing skills for the integration of specialized knowledge, in order to draw up the dissertation and the material for public speech; - Developing innovation capacities and skills for research projects, in the constant change of labor market; - Developing the capacity for an objective self-evaluation and awareness of the need for continuous professional development (retraining), in order to successfully integrate and / or reintegrate into the labor market.
Course description ⁸	Drawing up the current state of knowledge in the dissertation field; Recent scientific results; Bibliographic references, especially in the last 5 years; Drawing up the motivation of study and purpose of the dissertation; Sample preparation and material characterization; Constructive-functional description of the equipment used; Description of the experiment and the way the data is acquired; Data processing mode and programs used; Performing the experiment and data acquisition; Writing data in the form of tables; Representation of experimental data in the form of graphs; Interpretation of results and confirmation / refutation of the working hypothesis; Comparison of own results with those in literature; Writing conclusions on the subject studied in the dissertation; Writing bibliography; Conceiving and realizing the dissertation presentation material.

Assessment		Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ VP	Class tests along the semester	%	week	75 % (minimum 5)
	Home works	25 %		
	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 %	75 % (minimum 5)	week 14	
B. Seminar	Activity during seminar			% (minimum 5)
C. Laboratory	Activity during laboratory			25 % (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