

COURSE GUIDE – short form

Academic year 2024 – 2025

Course name ¹	PROCESSING OF METALLIC BIOMATERIALS					Course code		TAIPM IA 208	
Course type ²	DA	Category ³	DO	Year of study	2	Semester	3	Number of credit points	5

Faculty	Material Science and Engineering	Number of teaching and learning hours ⁴					
Field	Materials Engineering	Total	L	T	LB	P	IS
Specialization	TAIPM	125	28	-	14	-	83

Pre-requisites from the curriculum ⁵	Compulsory	Not the case
	Recommended	Not the case

General objective ⁶	The course prepares specialist in the field of processing of biomaterials
Specific objectives ⁷	Knowing the advanced metallic materials processing for medical applications and their properties
Course description ⁸	Metallic materials for medical applications, biocompatible alloys, properties

Assesment		Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ :	Class tests along the semester	%	50 % (minimum 5)
	Home works	10 %	
	Other activities	%	
	Examination procedures and conditions: Probe 1: working conditions oral; percent of the final grade 100%;	90 % (minimum grade 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	Lecturer Ph.D. Eng. Bălțatu Mădălina Simona
Teaching assistants	Lecturer Ph.D. Eng. Bălțatu Mădălina Simona

¹Course name from the curriculum

²DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

³DI – imposed, DO – optional, DL – facultative (from the curriculum)

⁴Points 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)

⁵According to 4.1 – Pre-requisites - from the Course guide – extended form

⁶According to 7.1 from the Course guide – extended form

⁷According to 7.2 from the Course guide – extended form

⁸Short description of the course, according to point 8 from the Course guide – extended form

⁹For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

¹⁰A minimum grade might be imposed for some assessment stages

¹¹Exam or colloquium