

COURSE GUIDE – short form

Academic year 2024 - 2025

Course name ¹	MODERN SYSTEMS FOR MEDICAL APPLICATIONS				Discipline code			SITM IA 103	
Course type ²	DA	Category ³	DI	Year of study	1M	Semester	1	Number of credit points	3

Faculty	Material Science and Engineering				Number of teaching and learning hours ⁴					
Field	Mechanical Engineering				Total	L	T	LB	P	IS
Specialization	SITM				75	14	-	14	-	47

Pre-requisites from the curriculum ⁵	Compulsory	
	Recommended	

General objective ⁶	The discipline trains specialists in the field of advanced metallic materials for medical applications
Specific objectives ⁷	Knowledge of advanced metallic materials used in medical applications and property analysispects on nonconventional equipments
Course description ⁸	biomaterials, materials processing

Assessment		Schedule ⁹		Percentage of the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ colloquium	Class tests along the semester	%	week	50 % (minimum 5)
	Home works	%		
	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 %	100 % (minimum 5)	week 14	
B. Seminar	Activity during seminar		% (minimum 5)	
C. Laboratory	Acttvity during laboratory		50 % (minimum 5)	
D. Project	Activity during project		% (minimum 5)	
Course organizer	Lecturer PhD. eng. Mirabela Georgiana MINCIUNĂ			
Teaching assistants	Lecturer PhD. eng. Mirabela Georgiana MINCIUNĂ			

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