COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	Vacuum deposition techniques I			Course code		MATAE IA 104			
Course type ²	DS	Category ³	DI	Year of study	5	Semester	1	Number of credit points	4

Faculty	Materials Scienece and Engineering			Number of teaching and learning hours ⁴					
Field	Materials Engineering			L	Т	LB	Р	IS	
Specialization	Advanced materials and experimental analysis techniques			28	-	14	-	58	
Pre-requisites from the curriculum⁵	Compulsory	-							
	Recommended	-							

General objective ⁶	Initiating students into knowledge processes in vacuum deposition of thin films. It will deepen the knowledge of the state of vacuum, means for obtaining vacuum, phase transformations, means of obtaining vacuum.	
Specific objectives ⁷	 Identifying the role of vacuum deposition techniques in the field of Materials Engineering. learning and appropriate use of concepts vacuum deposition techniques; Learning theoretical methods, procedures and devices usual deposition of thin films; Learning theoretical methods and means of characterization of thin films deposited in vacuum. 	
Course description ⁸	······································	

Assesment			Schedule ⁹	Percentage in the final grade(minimum grade) ¹⁰
	Class tests along the semester	20%	week 7	
	Home works	%		
	Other activities	%		
A. Final assessment form ¹¹ : Colloquium	Examination procedures and conditions:exam.oral Probe 1: theoretical question; open questions of course, working conditions: oral; percent of the final grade: 30%; Probe 2: theoretical question; open questions of course, working conditions: oral; percent of the final grade: 30%; Probe 3: theoretical question; open questions in the lab, working conditions: oral; percent of the final grade: 40%	80% (minimum 5)	Week 14	70% (minimum 5)
B. Seminar	% (minimum 5)			
C. Laboratory	30% (minimum 5)			
D. Project	% (minimum 5)			

Course organizer	Associate Professor, Ph.D. Corăbieru Anişoara	
Teaching assistants	Associate Professor, Ph.D. Corăbieru Anişoara	

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

- 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

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

¹Course name from the curriculum

² DF – fundamental, DID – in the field, DS – specialty, DC – complementary (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, Pproject, IS-individual study) ⁵ According to 4.1 – Pre-requisites - from the Course guide – extended form