

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	ECOLOGICAL MATERIALS					Discipline code	3 SM 14			
Course type ²	DS	Category ³	DO	Year of study	3	Semester	5	Number of credit points	2	

Faculty	Material Science and Engineering					Number of teaching and learning hours ⁴					
Field	Materials Engineering					Total	L	T	LB	P	IS
Specialization	SM					50	14	-	14	-	22

Pre-requisites from the curriculum ⁵	Compulsory	-
	Recommended	-

General objective ⁶	Methods and obtaining and analysis proceedings of the ecological materials
Specific objectives ⁷	The knowledge of the apparatus used for the study of materials properties
Course description ⁸	Cap.1. General aspects about ecology, pollutants and pollution Cap. 2. Industrial production processes Cap. 3. Aspects of durable enhancement during economical enhancement Cap. 4. Ecological technologies Cap. 5. Eco-technological analysis of the technological processes Cap. 6. Clean ecotechnologies Cap. 7. Ecological design. Eco-materials Cap. 8. Bio-fuels

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	Activity during laboratory			50 % (minimum 5)
D. Project	Activity during project			% (minimum 5)
Course organizer	Lecturer Ph.D. Eng. Achiței Dragoș			
Teaching assistants	Lecturer Ph.D. Eng. Achiței Dragoș			

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