

COURSE GUIDE – short form

Academic year 2024-2025

Course name ¹	Polymeric materials				Course code	3.SM.15.DS-2			
Course type ²	DS	Category ³	DO	Year of study	3	Semester	6	Number of credit points	3

Faculty	Faculty of Materials Science and Engineering				Number of teaching and learning hours ⁴					
Field	Materials Engineering				Total	L	T	LB	P	IS
Specialization	Materials Science				75	28	-	14	-	33

Pre-requisites from the curriculum ⁵	Compulsory								
	Recommended								

General objective ⁶	Combining knowledge, principles and methods from the technical sciences of the field with the principles and methods used in analyzing and determining the properties of polymeric materials								
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Specific objectives ⁷	- Understanding the methods for synthesizing polymeric materials - Knowledge of methods for determining properties and processing of polymeric materials								
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Course description ⁸	.Polymer molecules. Molecular structure of polymers. Structure of copolymers. Crystallization, melting and glass transition of polymeric materials. Mechanical material properties of polymeric materials. Thermal properties of polymeric materials.Characterization of acrylic polymers.Special forms of use of polymeric materials. Technologies for obtaining polymeric materials.Processing technologies of polymeric materials.								
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Assesment				Sche- dule ⁹	Percentage in the final grade (minimum grade) ¹⁰
A. Final assessment form ¹¹ :	Class tests along the semester		%	14 week	70% (minimum 5)
	Home works		-%		
	Other activities		%		
	Examination procedures and conditions: One subject in the course topics; oral presentation and answers to course specialty questions.		100% (mini- mum 5)		
B. Seminar	Activity during seminar				% (minimum 5)
C. Laboratory	Activity during laboratory				30 % (minimum 5)
D. Project	Activity during project				% (minimum 5)

Course organizer	Assoc.Prof. Phd.Eng. Ramona Cimpoesu	
Teaching assistants	Assoc.Prof. Phd.Eng. Ramona Cimpoesu	

¹Course name from the curriculum

² DF – fundamental, DID – 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