

# POLYMER CHEMISTRY

1	Course Title:	POLYMER CHEMISTRY	
2	Course Code:	KIM4037	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	4	
6	Semester:	7	
7	ECTS Credits Allocated:	5.00	
8	Theoretical (hour/week):	3.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. Ali Kara	
15	Course Lecturers:	Prof. Dr. Ali KARA	
16	Contact information of the Course Coordinator:	akara@uludag.edu.tr 0 224 29 41 733	
17	Website:		
18	Objective of the Course:	The application of the basic principles about polymers, to understand the synthesis and characterization methods of the polymers and to learn the effect of the structure of the polymers on its properties.	
19	Contribution of the Course to Professional Development:	To be able to follow innovations and apply them in the field by using the competence of collecting information, researching and analyzing them.	
20	Learning Outcomes:		
		1	Recognizing the polymers and becomes competent on the basic subjects about polymer chemistry
		2	Knowing the methods of polymerization and characterization
		3	Comprehending the kinetics of the polymerization reactions
		4	Knowing the structure-property relation in polymers
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21	Course Content:		
		<b>Course Content:</b>	
Week	Theoretical	Practice	
1	General Issues about the Polymer Chemistry: Monomer, Polymer, Polymer Chains, Linear, Branched and Cross-linked Polymers, Polymer Synthesis, Polymer Stereochemistry, The Crystal Structure of the Polymers		



<b>ÖK2</b>	0	4	4	0	4	0	0	0	0	0	3	0	0	0	0	0
<b>ÖK3</b>	0	4	0	0	4	0	0	0	0	0	4	0	0	0	0	0
<b>ÖK4</b>	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0
<b>LO: Learning Objectives    PQ: Program Qualifications</b>																
<b>Contribution Level:</b>	<b>1 very low</b>			<b>2 low</b>			<b>3 Medium</b>			<b>4 High</b>			<b>5 Very High</b>			