

Subject card

Subject name and code	Polymeric Biomaterials, PG_00039684								
Field of study	Materials Engineering, Materials Engineering, Materials Engineering								
Date of commencement of studies	February 2023		Academic year of realisation of subject			2023/2024			
Education level	second-cycle studies		Subject group			Optional subject group Subject group related to scientific research in the field of study			
Mode of study	Full-time studies		Mode of delivery			at the university			
Year of study	1		Language of instruction			Polish			
Semester of study	2		ECTS credits			2.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Polymers Technology -> Facul			aculty of Chemistry					
Name and surname	Subject supervisor		dr hab. inż. Justyna Kucińska-Lipka						
of lecturer (lecturers)	Teachers		dr hab. inż. Justyna Kucińska-Lipka						
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
of instruction	Number of study hours	15.0	0.0	15.0	0.0		0.0	30	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	Participation in classes include plan		Participation in consultation hours		Self-study		SUM	
	Number of study hours	<u>'</u>		5.0		15.0		50	
Subject objectives	The aim of the course is to familiarize students with the types of polymeric biomaterials and their application.								
Learning outcomes	Course outcome K7_K02 K7_U06 K7_W01		Subject outcome			Method of verification			
			biocompatibility, how to study it and what is important in the design of materials for medicine The student knows the methods of			[SK1] Assessment of group work skills [SK5] Assessment of ability to solve problems that arise in practice [SU5] Assessment of ability to present the results of task			
						[SW1] Assessment of factual knowledge			
Subject contents	Classification of polymeric biomaterials based on their origin, Classification of polymer materials due to their use The use of polymeric biomaterials in dentistry Application of polymeric biomaterials in regenerative medicine Application of polymeric biomaterials in cardiac surgery The use of polymeric biomaterials in orthopedics								
Prerequisites and co-requisites	Basic knowledge of polymer chemistry,								
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade				
	laboratory				40.0%				
	passing the lecture		60.0%			60.0%			

Data wydruku: 09.04.2024 11:21 Strona 1 z 2

Recommended reading	Basic literature	Maria Cristina Tanzi Silvia Farè" Characterization of Polymeric
		Biomaterials" Elsevier 2017
	Supplementary literature	Torbicz W. "Inżynieria biomedyczna" tom 4. Biomateriały PAN
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Designing a material that would sup	port the regeneration of cartilage
Work placement	Not applicable	

Data wydruku: 09.04.2024 11:21 Strona 2 z 2