

Subject card

Subject name and code	, PG 00057783							
Field of study	Green Technologies							
Date of commencement of	October 2023	yoor of		2024/	2025			
studies	October 2023		Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies		Subject group			Obligatory subject group in the field of study		
						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	2		Language of instruction			English		
Semester of study	4		ECTS credits			7.0		
Learning profile	general academic profile		Assessment form			exam		
Conducting unit	Department of Organ	Department of Organic Chemistry -> Faculty of Chemistry						
Name and surname	Subject supervisor prof. dr hab. inż. Dariusz Witt							
of lecturer (lecturers)	Teachers							
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM
of instruction	Number of study hours	45.0	30.0	0.0	0.0		0.0	75
	E-learning hours inclu	ıded: 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	75		10.0		90.0		175
	predict reactivity of organic compounds. The course of reaction and transformation of organic compounds are elucidated by students. The knowledge of reactions mechanism reflected in optimal transformation is appreciated students. The theory is combined with practical synthesis of organic compounds.							
Learning outcomes						Method of veri	fication	
	[K6_W02] has a basic knowledge of chemistry including general chemistry, inorganic, organic, physical, analytical, including the knowledge necessary to describe and understand the phenomena and chemical processes occurrir in the environment; measuremer and the determination of the parameters of these processes.		Student has got a knowledge of chemical transformations and basic methods of purification for organic compounds.			[SW1] Assessment of factual knowledge		
	[K6_U01] is able to obtain information from literature, databases and other sources, is able to integrate the information obtained, to make their interpretation, as well as draw conclusions and formulate and justify opinions, take part in the discussion [K6_U05] can formulate and solve		Student is able to gather information from chemical literature. The information is used to explain and understand scientific problems.			[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to		
engineering tasks analytical methods, simulation as well as experimental, able to apply knowledge of basic physics and mathematics to analyze the results of experiments, is able to analyze and assess existing technical solutions		engineering tasks related to organic chemistry			use knowledge gained from the subject [SU1] Assessment of task fulfilment			
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Prerequisites and co-requisites					
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade		
and criteria	The synthesis of 4 compounds	60.0%	100.0%		
Recommended reading	Basic literature R.T. Morrison, R.N. Boyd "Organic Chemistry" Vogel, "Practical Organic Chemistry"				
	Supplementary literature	R.T. Morrison, R.N. Boyd "Organic Chemistry" Vogel, "Practical Organic Chemistry"			
	eResources addresses	Adresy na platformie eNauczanie:			
Example issues/ example questions/ tasks being completed	Present the basic methods for purification of solid compounds. Present the basic methods for purification of liquid compounds. What is the solid phase extraction?				
Work placement	Not applicable				

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