

## GDAŃSK UNIVERSITY

## Subject card

Subject name and code	, PG_00037557								
Field of study	Green Technologies								
Date of commencement of studies	October 2021		Academic year of realisation of subject			2022/2023			
Education level	first-cycle studies		Subject group			Obligatory subject group in the field of study			
Mode of study	Full-time studies		Mode of de	elivery		at the	at the university		
Year of study	2		Language of instruction			Englis	English		
Semester of study	3		ECTS credits			7.0			
Learning profile	general academic profile		Assessment form			exam			
Conducting unit	Department of Organic Chemistry -> Faculty of Chemistry								
Name and surname	Subject supervisor		prof. dr hab. inż. Dariusz Witt						
of lecturer (lecturers)	Teachers		prof. dr hab. inż. Dariusz Witt						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	ry Project Seminar		Seminar	SUM	
	Number of study hours	45.0	30.0	15.0	0.0		0.0	90	
	E-learning hours inclu	uded: 0.0							
Learning activity and number of study hours	Learning activity	Participation i classes incluc plan		Participation in consultation hours		Self-study		SUM	
	Number of study hours	90		5.0		80.0		175	
	predict reactivity of organic compounds. The course of reaction and transformation of elucidated by students. The knowledge of reactions mechanism reflected in optimal trans students. The theory is combined with practical synthesis of organic compound								
	by students. The know		ions mechanis	m reflected in o	optimal t	transfor	mation is app		
Learning outcomes	by students. The know	is combined wi	ions mechanis th practical syr	m reflected in o	optimal t	transfor bounds.	mation is app	preciated by	
Learning outcomes	by students. The know students. The theory	is combined wi come ic knowledge g general organic, ncluding the y to describe ohenomena ses occurring neasurement n of the	tions mechanis th practical syr Subj Student has a preparation al organic comp	m reflected in o thesis of orgar ect outcome hol reactivity of ounds. Studen t reactivity and ns of organic	optimal t nic comp t is	Iransfor bounds [SW1] knowle [SW3]	mation is app Method of ver Assessment of dge Assessment of ned in written	oreciated by rification of factual of knowledge	
Learning outcomes	by students. The know students. The theory Course out [K6_W02] has a basi of chemistry includin chemistry, inorganic, physical, analytical, i knowledge necessar and understand the p and chemical process in the environment; r and the determinatio	is combined wi come c knowledge g general organic, ncluding the y to describe obenomena ses occurring neasurement n of the processes. bbtain ature, sources, is information eir Il as draw hulate and	ions mechanis th practical syr Subj Student has a preparation au organic comp able to predic transformation compounds b structure. Student is abl information fro literature. Bas information th	m reflected in o thesis of organ ect outcome a knowledge of nd reactivity of ounds. Studen t reactivity and ns of organic ased on their e to gather om lectures and sed on that e reactivity and organic composi-	t is	[SW1] [SW1] [SW3] [SW3] [SW3] [SW3] [SW3] [SU2] [SU2] [SU2]	Method of ver Assessment of dge Assessment of ied in written s	oreciated by rification of factual of knowledge work and of task of ability to of ability to	
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Subject contents Prerequisites and co-requisites Assessment methods	by students. The know students. The theory Course out [K6_W02] has a basis of chemistry includin chemistry, inorganic, physical, analytical, i knowledge necessar and understand the p and chemical process in the environment; r and the determinatio parameters of these [K6_U01] is able to co information from liter databases and other able to integrate the obtained, to make the interpretation, as well conclusions and form justify opinions, take discussion Preparation and reacc Aldehydes and Keton Aminoacids and pept	is combined wi come ic knowledge g general organic, ncluding the y to describe obtenomena ses occurring neasurement n of the processes. bbtain ature, sources, is information eir I as draw nulate and part in the tivity of: Alkane es, Carbohydr. ides, Nucleic A	ions mechanis th practical syr Student has a preparation an organic comp able to predic transformation compounds b structure. Student is abl information fro literature. Bas information th properties of of can be predic s and Alkenes ates and Carbo cids and Pestic	m reflected in o thesis of orgar ect outcome knowledge of nd reactivity of ounds. Studen t reactivity and ns of organic ased on their e to gather om lectures and sed on that e reactivity and organic compor- ted.	bptimal t nic comp t is d d unds Arenes, a privatives	[SW1] knowle [SW3] contair project [SU1] / fulfilme [SU2] / analyse [SU4] / use me Alcohol s of Ca	Method of ver Assessment of dge Assessment of led in written s Assessment of Assessment of einformation Assessment of ethods and too	oreciated by rification of factual of knowledge work and of task of ability to of ability to ols and Ethers, s, Amines,	

Recommended reading	Basic literature	<ol> <li>R.T. Morrison, R.N. Boyd, Organic Chemistry.</li> <li>J. McMurry, Organic Chemistry.</li> <li>F. A. Carey, Organic Chemistry, McGraw-Hill, Inc. 2nd. ed., New York 1992.</li> <li>T.W. Graham Salomons, Fundamentals of organic chemistry, John Wiley &amp; Sons, New York, 1990.</li> </ol>			
	Supplementary literature	not applicable			
	eResources addresses	Adresy na platformie eNauczanie:			
Example issues/ example questions/ tasks being completed					
Work placement	Not applicable				