


KAPITAŁ LUDZKI
 NARODOWA STRATEGIA SPÓJNOŚCI

 Projekt współfinansowany przez
 Unię Europejską w ramach
 Europejskiego Funduszu
 Społecznego

UNIA EUROPEJSKA
 EUROPEJSKI
 FUNDUSZ SPOŁECZNY


Course title		ECTS code	
Graduate study lecture - Synthesis of peptides		13.3.0449	
Name of unit administrating study			
null			
Studies			
faculty	field of study	type	drugiego stopnia
Wydział Chemii	Chemia	form	stacjonarne
		specjalty	chemia biomedyczna, analityka i diagnostyka chemiczna, chemia i technologia środowiska, chemia obliczeniowa
		specialization	wszystkie
Teaching staff			
dr hab. Magdalena Wysocka, profesor uczelni			
Forms of classes, the realization and number of hours		ECTS credits	
Forms of classes		3	
Lecture		classes 30 h	
The realization of activities		tutorial classes 10 h	
classroom instruction		student's own work 35 h	
Number of hours		TOTAL: 75 h - 3 ECTS	
Lecture: 30 hours			
The academic cycle			
2022/2023 summer semester			
Type of course		Language of instruction	
obligatory		polish	
Teaching methods		Form and method of assessment and basic criteria for evaluation or examination requirements	
multimedia-based lecture		Final evaluation	
		Graded credit	
		Assessment methods	
		written exam with open questions	
		The basic criteria for evaluation	
Method of verifying required learning outcomes			
Required courses and introductory requirements			
A. Formal requirements			
B. Prerequisites			
Aims of education			
The main objective of this course is familiarization of students with properties of amino acids and peptides, fundamental protecting groups used in peptide synthesis, methods of peptide bond formation, strategy and tactics of peptide synthesis			
Course contents			
Bibliography of literature			
The learning outcomes (for the field of study and specialization)		Knowledge	
		1. Student can describe and characterize fundamental protective groups, methods of their introduction and removal and methods of synthesis of a peptide bond.	
		2. Student can describe fundamental side reactions occurring during introduction of protective groups and cleavage of the peptide from a solid support, characteristic for certain amino acid residues or for certain amino acid sequences	
		3. student can characterize fundamental analytical techniques applied in peptide synthesis	
		Skills	

	Student can critically assess results of performed experiments and observations.
	Social competence
	Student can think and act creatively.
Contact	
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