


**KAPITAŁ LUDZKI**  
 NARODOWA STRATEGIA SPÓJNOŚCI

 Projekt współfinansowany przez  
 Unię Europejską w ramach  
 Europejskiego Funduszu  
 Społecznego

**UNIA EUROPEJSKA**  
 EUROPEJSKI  
 FUNDUSZ SPOŁECZNY


<b>Course title</b>		<b>ECTS code</b>	
Graduate study lecture - Synthesis of peptides		13.3.0449	
<b>Name of unit administrating study</b>			
null			
<b>Studies</b>			
<b>faculty</b>	<b>field of study</b>	<b>type</b>	drugiego stopnia
Wydział Chemii	Chemia	<b>form</b>	stacjonarne
		<b>specjalty</b>	chemia biomedyczna, chemia i technologia środowiska, analityka i diagnostyka chemiczna, chemia obliczeniowa
		<b>specialization</b>	wszystkie
<b>Teaching staff</b>			
dr hab. Magdalena Wysocka, profesor uczelni			
<b>Forms of classes, the realization and number of hours</b>		<b>ECTS credits</b>	
<b>Forms of classes</b>		3	
Lecture		classes 30 h	
<b>The realization of activities</b>		tutorial classes 10 h	
classroom instruction		student's own work 35 h	
<b>Number of hours</b>		TOTAL: 75 h - 3 ECTS	
Lecture: 30 hours			
<b>The academic cycle</b>			
2022/2023 summer semester			
<b>Type of course</b>		<b>Language of instruction</b>	
obligatory		polish	
<b>Teaching methods</b>		<b>Form and method of assessment and basic criteria for evaluation or examination requirements</b>	
multimedia-based lecture		<b>Final evaluation</b>	
		Graded credit	
		<b>Assessment methods</b>	
		written exam with open questions	
		<b>The basic criteria for evaluation</b>	
<b>Method of verifying required learning outcomes</b>			
<b>Required courses and introductory requirements</b>			
A. Formal requirements			
B. Prerequisites			
<b>Aims of education</b>			
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			
<b>Course contents</b>			
<b>Bibliography of literature</b>			
<b>The learning outcomes (for the field of study and specialization)</b>		<b>Knowledge</b>	
		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	
		<b>Skills</b>	

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