


KAPITAŁ LUDZKI
 NARODOWA STRATEGIA SPÓJNOŚCI

 Projekt współfinansowany przez
 Unię Europejską w ramach
 Europejskiego Funduszu
 Społecznego

UNIA EUROPEJSKA
 EUROPEJSKI
 FUNDUSZ SPOŁECZNY


Course title		ECTS code	
Laboratory course		13.3.1177	
Name of unit administrating study			
null			
Studies			
faculty	field of study	type	drugiego stopnia
Wydział Chemii	Biznes chemiczny	form	stacjonarne
		specjalty	wszystkie
		specialization	wszystkie
Teaching staff			
dr hab. Jolanta Kumirska, profesor uczelni			
Forms of classes, the realization and number of hours		ECTS credits	
Forms of classes		20	
Laboratory classes		classes – 180 h in 2 semester	
The realization of activities		Classes – 190 h in 3 semester	
classroom instruction		Tutorial classes - 60 h	
Number of hours		Student's own work - 100 h	
Laboratory classes: 370 hours		TOTAL: 500 h – 20 ECTS	
The academic cycle			
2023/2024 winter semester			
Type of course		Language of instruction	
obligatory		polish	
Teaching methods		Form and method of assessment and basic criteria for evaluation or examination requirements	
conducting experiments		Final evaluation	
		Graded credit	
		Assessment methods	
		Realization of master project and presentation of the obtained results	
		The basic criteria for evaluation	
		an assessment of the quality of performed master's researches, including substantive preparation, independence in their realization, correctness of conducted researches (if performed), correctness of interpretation of the obtained results	
Method of verifying required learning outcomes			
Required courses and introductory requirements			
A. Formal requirements			
none			
B. Prerequisites			
none			
Aims of education			
Aims of education			
<ul style="list-style-type: none"> • Planning and performance of experimental research project by each student working under the control /guidance of supervisor. • Presentation of obtained research results in the form of written master thesis 			
Course contents			
Course contents			
The program content is varied and depends on the scope of the topic of the master thesis			
Bibliography of literature			

Bibliography of literature**A. Literature required to pass the course****A.1. Literature used during classes:**

Specialist literature in the scope of realized master thesis. The scope of literature is corrected and still adopted to conducted master research topics

A.2. Literature for individual studies:

Specialist literature in the scope of realized master thesis. The scope of literature is corrected and still adopted to conducted master research topics

B. Extracurricular readings

Specialist literature in the scope of realized master thesis. The scope of literature is corrected and still adopted to conducted master research topics

The learning outcomes (for the field of study and specialization)**Knowledge****Skills****Social competence****Contact**

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