


KAPITAŁ LUDZKI
 NARODOWA STRATEGIA SPÓJNOŚCI

 Projekt współfinansowany przez
 Unię Europejską w ramach
 Europejskiego Funduszu
 Społecznego

UNIA EUROPEJSKA
 EUROPEJSKI
 FUNDUSZ SPOŁECZNY


Course title		ECTS code	
B.Sc. laboratory class		7.2.0573	
Name of unit administrating study			
null			
Studies			
faculty	field of study	type	pierwszego stopnia
Wydział Chemii	Ochrona środowiska	form	stacjonarne
		specjalty	Podstawowa
		specialization	Podstawowa
Teaching staff			
dr hab. Jolanta Kumirska, profesor uczelni; dr inż. Anna Malankowska; dr Grzegorz Olszewski; prof. dr hab. Ewa Siedlecka; prof. dr hab. inż. Adriana Zaleska-Medynska; dr Katarzyna Jereczek-Korzeniewska; dr Natalia Gruba; dr inż. Anna Gołębiewska; dr Katarzyna Jereczek-Korzeniewska; dr hab. inż. Ewelina Grabowska-Musiał; dr Izabela Chlost; dr inż. Patrycja Jutrzenka Trzebiatowska; dr Aleksandra Bielicka-Giełdoń			
Forms of classes, the realization and number of hours		ECTS credits	
Forms of classes		5	
Laboratory classes		classes 60 h	
The realization of activities		tutorial classes 10 h	
classroom instruction		student's own work 55 h	
Number of hours		TOTAL: 125 h - 5 ECTS	
Laboratory classes: 60 hours			
The academic cycle			
2024/2025 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	
- Assessment methods		Final evaluation	
realization of diploma project and presentation of the obtained results		Graded credit	
- conducting experiments		Assessment methods	
		- ssignment work – conducting research and presenting results	
		- graded course credit based on individual grades obtained during the semester	
		The basic criteria for evaluation	
		The basic criteria for evaluation	
		According to the UG Study Regulatory;	
		• Conditions to obtain a positive grade: min. 51% of possible points, including the preparation of diploma project	
		• Negative grade could be improved based on the preparation and presentation of additional work.	
Method of verifying required learning outcomes			
Required courses and introductory requirements			
A. Formal requirements			
none			
B. Prerequisites			

Prerequisites Knowledge of basic issues in the field of chemistry and / or related scientific fields	
Aims of education Aims of education To gain competences of correct performing of research in the field of selected specialization and / or topic of the diploma Acquainting with the basic aspects of the construction and operating principle of the used research equipment To gain knowledge in the field of the basic computational methods in the field of selected specialization and / or topic of the diploma Acquiring the ability of critical interpretation of the obtained results. Developing the skills of correct preparation of the diploma project.	
Course contents Course contents The program contents are varied and adapted to the scope of the chosen specialization and/ or and / or topic of the diploma	
Bibliography of literature Bibliography of literature A. Literature required to pass the course : A.1. Literature used during classes: Books and scientific articles are related to the selected speciality mode and / or to the topic of diploma project A.2. Literature for individual studies: Books and scientific articles are related to the selected speciality mode and / or to the topic of diploma project B. Extracurricular readings Books and scientific articles are related to the selected speciality mode and / or to the topic of diploma project	
The learning outcomes (for the field of study and specialization)	Knowledge
	Skills
	Social competence
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