


KAPITAŁ LUDZKI
 NARODOWA STRATEGIA SPÓJNOŚCI

 Projekt współfinansowany przez
 Unię Europejską w ramach
 Europejskiego Funduszu
 Społecznego

UNIA EUROPEJSKA
 EUROPEJSKI
 FUNDUSZ SPOŁECZNY


Course title		ECTS code	
Advanced chemistry		13.3.1018	
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			
<p>dr hab. Jolanta Kumirska, profesor uczelni; dr hab. Magdalena Wysocka, profesor uczelni; mgr Agnieszka Kowalczyk; prof. UG, dr hab. Agnieszka Chylewska; dr hab. Magda Caban, profesor uczelni; mgr Klaudia Godlewska; mgr Anita Romanowska; dr Aleksandra Tesmar; dr Julia Witkowska; dr hab. Adam Sieradzan, profesor uczelni; dr Daria Krefft; dr Sylwia Freza; dr inż. Karolina Jagiełło; dr Aleksandra Bielicka-Giełdoń; dr hab. Dariusz Wyrzykowski; dr Joanna Dołżonek; mgr Jarosław Wieczorek; dr Przemysław Karpowicz; dr hab. Jarosław Ruczyński; dr inż. Krzysztof Żamojć; dr Aleksandra Walewska; mgr Nikola Szpakowska; dr hab. Aleksandra Dąbrowska, profesor uczelni; dr Hanna Lis; dr inż. Beata Bajorowicz; dr hab. Karol Krzymiński, profesor uczelni; dr inż. Beata Zadykowicz; prof. dr hab. Tomasz Puzyn; dr Natalia Gruba; dr hab. Anna Białk-Bielińska, profesor uczelni; dr hab. Zbigniew Kaczyński, profesor uczelni; dr Anna Wcisło; prof. dr hab. Franciszek Kasprzykowski; dr Paweł Niedziałkowski; dr hab. Dagmara Jacewicz, profesor uczelni; dr Katarzyna Guzow; mgr Maciej Prusinowski; dr hab. Piotr Mucha, profesor uczelni; prof. dr hab. Mariusz Makowski; mgr Katarzyna Olkiewicz; dr Magdalena Zdrowowicz-Żamojć; dr Agnieszka Gajewicz-Skrętna; dr inż. Małgorzata Gawrońska; dr Mateusz Kowalik</p>			
Forms of classes, the realization and number of hours		ECTS credits	
Forms of classes		16	
Laboratory classes		classes - 180 h	
The realization of activities		tutorial classes - 60 h	
classroom instruction		student's own work - 160 h	
Number of hours		TOTAL: 400 h - 16 ECTS	
Laboratory classes: 180 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	
<ul style="list-style-type: none"> - Designing experiments combined with a discussion of obtained results - conducting experiments 		Final evaluation	
		Graded credit	
		Assessment methods	
		Reports on laboratory exercises performed; written test covering all issues presented	
		The basic criteria for evaluation	
		The basic criteria for evaluation	
		The condition for obtaining a positive grade is submission of all reports and obtaining a minimum of 51% of points possible to obtain from reports (40% points) and written test (60% points)	
		Negative grade can be revised based on supplementing missing reports and / or obtaining min. 51% points from the retake of the written test	
Method of verifying required learning outcomes			
Required courses and introductory requirements			

A. Formal requirements	
none	
B. Prerequisites	
none	
Aims of education	
Aims of education	
Introducing students to the current research topics of each department	
Making familiar with the laboratory equipment of each department	
Developing skills in using specialized equipment and/or software	
Presentation of the potential Master's Thesis subjects, possible to realize in a given unit	
Course contents	
Course contents	
The program content is diverse and adapted to the scope of research work carried out in a given department	
Bibliography of literature	
Bibliography of literature	
A. Literature required to pass the course	
A.1. Literature used during classes :	
Books and scientific articles related to the research topics of individual Departments	
A.2. Literature for individual studies:	
Books and scientific articles related to the research topics of individual Departments	
B. Extracurricular readings	
Books and scientific articles related to the research topics of individual Departments	
The learning outcomes (for the field of study and specialization)	Knowledge
	Skills
	Social competence
Contact	