Sylabusy - Centrum Informatyczne U



al Ksztalcenia			
	ekt współfinansowany nię Europejską w rama Europejskiego Fundusz Społecznego		
Course title		ECTS code	
Bioorganic chemistry		13.3.0385	
Name of unit administrating study			
null			
Studies			
faculty field of study	type drugiego stopnia		
Wydział Chemia	form stacjonarne		
spe	specialty chemia bion cialization wszystkie		
Teaching staff			
dr hab. Anna Łęgowska, profesor uczelni			
Forms of classes, the realization and number of hours Forms of classes		ECTS credits	
		2	
Lecture		classes 45 h	
The realization of activities		Tutorial classes 2 h Student's own work 3 h	
classroom instruction		TOTAL: 50 h - 2 ECTS	
Number of hours			
Lecture: 15 hours			
The academic cycle			
2022/2023 winter semester			
Type of course Language of instru		ction	
obligatory	polish		
Teaching methods	Form and method examination requir	of assessment and basic criteria for eveluation or ements	
multimedia-based lecture Final evaluati			
	Examination		
	Assessment metho	ods	
written exam		open questions	
The basic criteria f			
positive grade fro		from written test consisting of 12-20 open questions comprising issues	
	listed in the program co	ntent (lecture)	
Method of verifying required learning outcomes			
Required courses and introductory requirements			
A. Formal requirements			
B. Prerequisites basic knowledge of inorganic and coordination chemistry			
Aims of education			
familiarity with the problems occurring on the border of che	mical, biological and me	dical sciences	
• introduction of both basic and specialized knowledge of biochemistry (in particular, information about the role that bio-elements such as iron,			
copper, zinc, cobalt, manganese, nickel and chromium, play	in living organisms)		
Course contents			
	Biological demand for m Redox reactions with ele		
Bibliography of literature			
Literature required to pass the course			

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A.2. Literature for individual studies:

- L. Stephen, B. Jeremy Podstawy chemii bionieorganicznej
- R. M. Roat-Malone Bioinorganic Chemistry: A Short Course
- E. Ochiai Bioinorganic Chemistry: a survey

Extracurricular readings

Bioinorganic Chemistry and Applications – science magazin	e
The learning outcomes (for the field of study and specialization)	Knowledge Student knows and understands the law, concepts and phenomena on the border of three areas: chemistry, biology and medicine. Skills
Contact	Social competence Student understands the need for further education. can formulate questions precisely to deepen understanding of a given topic or to find missing elements of reasoning; understands and appreciates the importance of intellectual honesty in own and other people's actions; act ethically; understands the need for popular presentation of selected issues in chemistry to non-specialists; can independently search for information in literature, including foreign language.

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