Sylabusy - Centrum Informatyczne UG



	APITAŁ LUDZKI rodowa strategia spójności	Projekt współfinansowany Unię Europejską w rama Europejskiego Fundus: Społecznego	przez ach zu FUNDUSZ SPOŁECZNY	
Course title			ECTS code	
Introduction to Python programming			13.3.1295	
Name of unit administr	ating study			
null				
Studies				
faculty Faculty of Chomistry	field of study	type second tier	type second tier studies (MA)	
Faculty of Chemistry	Chemistry	specialty all		
	specialization all			
		· ·		
Teaching staff				
prof. dr hab. Cezary C	zaplewski, profesor uczeln	ii; dr hab. Adam Sieradzan	, profesor uczelni; dr hab. Artur Giełdoń	
Forms of classes, the realization and number of hours		hours	ECTS credits	
Forms of classes			5	
Laboratory classes Lecture			Lecture – 15 h	
The realization of activ	ities		Laboratory classes – 45 h	
			student's own work 30 h	
classroom instruction			student's own work – 30 m	
Number of hours			tutorial classes – 35 h	
Lecture: 15 hours, Lal	boratory classes: 45 hours		TOTAL: 125 h = 5 ECTS	
The academic cycle				
2022/2023 winter sem	nester			
Type of course		Language of instru	Language of instruction	
		Language of motie		
obligatory		english	english	
reaching methods		examination requir	examination requirements	
- Case studies in computer laboratory - multimedia-based lecture		Final evaluation		
		Craded gradit		
		- Graded credit		
			- Examination	
		Assessment methods		
		Lecture – exam w	Lecture – exam with multiple-choice questions	
		Laboratory classe	Laboratory classes – written reports	
		The basic criteria for evaluation		
		according to "Rules and	d regulations for studies at the University of Gdansk"	
		Lectures: passing the fi	Lectures: passing the final exam in the form of a multiple-choice question test (a score	
		of 50% or more require	of 50% or more required to pass the exam).	
		Lab classes: the arithm	Lab classes: the arithmetic mean of partial grades received during the semester for	
			···· ·· · · · · · · · · · · · · · · ·	

Written exam tests student's knowledge of Python programming language and abilities to design of a project using the Python programming language and chemistry-related algorithms. During the laboratory exercises, the student solves problems in writing (reports including codes in Python) or oral (oral answer) in the field programming in Python. (K_W05, K_W06) Assessment of the student's independent programming exercises, the correctness of the analysis of the algorithm and preparation of reports. (K_U02; K_U11) Method of verifying the acquisition of social competences: The student identifies the level of their knowledge and skills as well as the need for updating knowledge, continuous professional training, and personal development. (K_K01, K_K06)

Required courses and introductory requirements

A. Formal requirements

None

B. Prerequisites

Aims of education

Course contents

specialization)

specialisation studied

extended complexity

discusses errors

Bibliography of literature

Extracurricular readings

None



K U11: communicates in a foreign language in accordance with the requirements specified for level B2 of the Common European Framework of Reference for Languages and can use specialist terminology

K_K01: knows the limitations of her/his own knowledge; understands the need for further education and can inspire other people to do so

K_K06: undertakes research tasks consciously and responsibly, understanding the social aspects of the practical application of the acquired knowledge and skills and the responsibility related to it

Contact

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