GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Introduction to computer science, PG_00020914					
Field of study	Nanotechnology					
Date of commencement of studies	October 2020	Academic year of realisation of subject		2021/2022		
Education level	first-cycle studies	Subject group		Obligatory subject group in the field of study		
				Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery		at the university		
Year of study	2	Language of instruction		Polish polish		
Semester of study	3	ECTS credits		2.0		
Learning profile	general academic profile	Assessment form		assessment		
Conducting unit	Department of Solid State Physics -> Faculty of Applied Physics and Mathematics					
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Maciej Bobrowski				
	Teachers	dr inż. Marek Augustyniak				

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	0.0	0.0	30
	E-learning hours included: 0.0						
	Adresy na platformie eNauczanie:						

Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
	Number of study hours	30	2.0	18.0	50

Subject objectives	Training to work with text processor program, spreadsheet program and a program for preparation of presentations. Training to work with Latex system: compiling, preambule, mathematics equations. Training basics of programming in C language: variables, logical instructions, loops, one- and two-dimensional arrays. Training capabilities of writing basic structural programs.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	K6_U01	Student can for himself find solutions of exercises sent to students by teacher by learning from literature, teacher's materials and from other books.	[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment
	K6_W04	Student can practically create and operate spreadsheets, multimedia presentations and word-processing documents.	[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge
	K6_U03	Student can on his own use elements of structural programming and can write programs.	[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment

Subject contents	1. typesetting, spreadsheets, presentations, 2 classes. 2. test from part 1, 1 class, 3. Linux operating system and Latex, 4 classes, 4. test from part 2 , 1 class, 5. C-language programming, 6 classes, 6. test from part 3, 1 class

Prerequisites and co-requisites	No incoming requirements. One anticipates processing basic informations on operating systems and basics of programming.

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	tests on laboratories	51.0%	100.0%

Recommended reading	Basic literature	1. Brian. W. Kernighan, Dennis. M. Ritchie, ,,ANSI C".
	Supplementary literature	1. John S. Gray, ,,Communiction between processes in Unix", RM, Warszawa, 1998. 2. Dale Dougherty, Arnold Robbins, sed and awk, O'Reilly, 2002, 3. William H. Press, Saul. A. Teukolsky, William T. Vetterling, Brian P. Flannery, Numerical recipes in C, Cambridge Univ. Press, 1992, 4. Eleen Frisch, Unix, System Administration, O'Reilly, 1996,
	eResources addresses	
Example issues/ example questions/ tasks being completed	1. write a program, 2. make a document.	
Work placement	Not applicable	