	-	-	-	Bial	lystok Uni	ersity of	Technology	у	-		
Field of study	Computer Science Degree level and programme type								Engineer's degree full-time programme		
Specialization/ diploma path	Study profile								academic		
Causaa nama			Informs	tion Took		Course code	FCS-00061				
Course name	Information Technologies Course type								obligatory		
Forms and number of hours of tuition	L	С	LC	Р	SW	FW	S	Semester	;	3	
					30			No. of ECTS credits		5	
Entry requirements											
Course objectives	The aim of the course is to prepare students to work with software applications supporting document creation and edition (e.g. articles). A student will be able to prepare efficiently a document containing text and graphics and to format it properly. She/he will be able to use a spreadsheet to perform calculations. She/he will know how to prepare graphics to place it in a document or in a presentation as well as a presentation itself.										
Course content	Special workshop: Tags language LaTeX: template usage, insertion of formulae, tables and graphics, structure document creation, automatic numeration, page formatting, presentation creation, use of additional packages. Office software package LibreOffice (or MS Office). Text processor LibreOffice Writer (or MS Office Word): basic edition commands, formatting, paragraph styles, character styles, automation. Spreadsheet LibreOffice Calc (or MS Office Excel): formulae creation, built-in functions usage, graphs creation. Presentation graphic program LibreOffice Impress (lub MS Office PowerPoint): preparation of a presentation and its formatting, animation.										
Teaching methods	lecture problem, programming, subject exercises,										
Assessment method	Evaluation of tasks realization during classes in a computer workshop. Final evaluation: preparation of a text document, a graphics and a presentation according to the list of requirements.										
Symbol of learning outcome									Reference to the learning outcomes for the field of study		
L01	knows the	nows the tags language LaTeX on the basic level								K_W10	
								K_U14 K W10			
knows software packages to text and graphics processing and a spreadsheet program on the basic level							K_U14				
L03	knows how to prepare a document, a presentation, a graphics and a spreadsheet with usage of proper software application								K_W10 K_U14		
LO4	knows how to use information and communications techniques								K_W10 K_U14		
Symbol of learning outcome	Methods of assessing the learning outcomes								Type of tuition during which the outcome is assessed		
L01	evaluation of exercises completion, final evaluation								Sw		
L02	evaluation of exercises completion, final evaluation								Sw		
L03	evaluation of exercises completion, final evaluation								Sw		
LO4	evaluation of exercises completion, final evaluation								Sw		
			Student	workload	(in hours)				No. of	hours	
	2 Association of the six of the s								T	_	
Calculation	1 - Attendance at specialistic workshop -								30		
	2 - Preparation for specialistic workshop -								40		
	3 - Participation in student-teacher sessions -								10		
	4 - Project tasks realization (including preparation of a presentation) - TOTAL:								70 150		
Quantitative indicators									HOURS	No. of ECTS credits	
Student workload - activities that require direct teacher participation								40 (1)+(3)	1.6		
Student workload - practical activities									150 (1)+(2)+(3)+(4)	6.0	
Basic references	2. G. Gr 3. L. Lar	 M. Goossens, F. Mittelbach, A. Samarin, The LaTeX companion, 1993. G. Grätzer, Math into LaTeX: an introduction to LaTex and AMS-LaTeX, 1996. L. Lamport, LaTeX: A Document Preparation System (2nd Edition), Addison-Wesley Professional, 1994. https://en.libreoffice.org/ 									
Supplementary references		://en.libreoi //www.mikt									
Organisational unit conducting the course		Department of Mathematics							Date of issuing the programme		
Author of the programme	dr Krzysztof Piekarski							Feb. 17, 2022			

L – lecture, C – classes, LC – laboratory classes, P – project, SW – specialization workshop, FW – field work, S – seminar