

Subject card

Subject name and code	Contemporary applications of computer systems, PG_00143984						
Field of study	Informatics						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Subject group related to practical vocational preparation		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		2.0		
Learning profile	practical		Assessment form		credit		
Conducting unit	Institute of Informatics -> Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Jakub Neumann				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	15.0	0.0	0.0	45
	E-learning hours included: 0.0						
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	45		0.0		5.0	50
Subject objectives	The main goal of the course is to arouse passion for computer science and present the advantages of group work at an early stage of education. Lectures (in the form of presentations and discussions) will be conducted by specialists from IT companies and will show possibly innovative, modern solutions, products or achievements of these companies. Students, working in groups, will prepare presentations about their own IT interests						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[INFL3_K06] can formulate opinions on basic IT issues	based on participation in lectures and team presentations, can formulate opinions on basic IT issues	[SK2] presentation/project/paper/report
	[INFL3_W07] has knowledge of designing, developing, testing, implementing and maintaining web applications and their security	during lectures conducted by IT specialists, acquires knowledge on the design, development, testing, implementation and maintenance of web applications and their security	[SW2] presentation/project/paper/report
	[INFL3_U03] is able to work in a team of IT specialists, including being able to manage his/her time, make commitments and meet deadlines, communicate using various techniques in the professional environment, including the use of dedicated tools	when preparing presentations, is able to work in a team of IT specialists, manage their time and make commitments and meet deadlines, communicate using various techniques in a professional environment, including the use of dedicated tools	[SU2] presentation/project/paper/report
	[INFL3_K01] knows the limitations of their own knowledge and understands the need for further education	based on participation in lectures and their own presentations, they learn about the limitations of their own knowledge and understand the need for further education	[SK2] presentation/project/paper/report
	[INFL3_K03] understands the need and appreciates the advantages of teamwork, understands the need for systematic work on team IT projects	Based on participation in lectures and team presentations, the student learns the limits of his or her own knowledge and understands the need for further education	[SK2] presentation/project/paper/report
	[INFL3_U02] is able to obtain information from literature, knowledge bases, the Internet and other reliable sources, integrate them, interpret them and draw conclusions and formulate opinions	when preparing presentations, is able to obtain information from literature, the Internet and other sources, integrate it, assess its credibility, make interpretations, draw conclusions and formulate opinions during discussions after the presentation of one's own and other groups'	[SU2] presentation/project/paper/report
Subject contents	Lecture: presentations and discussions conducted by IT industry specialists, regarding innovative, modern solutions and products of these companiesLaboratories: work with students in groups on a presentation devoted to their IT interests or their project-concept: a product or IT solution of the future, innovative or solving important problems, e.g. social ones (the project itself will not be implemented during classes but thoroughly discussed in various aspects, including business ones))Public presentation of selected, most interesting projects		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		51.0%	100.0%
Recommended reading	Basic literature	Brak	
	Supplementary literature	Brak	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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