

**Subject card**

<b>Subject name and code</b>	Contemporary Applications of Computer Systems, PG_00204169						
<b>Field of study</b>	Informatics						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>			2027/2028		
<b>Education level</b>	Bachelor's studies	<b>Subject group</b>			Obligatory subject group in the field of study Subject group related to practical vocational preparation		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	2	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	3	<b>ECTS credits</b>			2.0		
<b>Learning profile</b>	practical	<b>Assessment form</b>			credit		
<b>Conducting unit</b>	Institute of Informatics -> Faculty of Mathematics, Physics and Informatics -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Jakub Neumann				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	30.0	0.0	15.0	0.0	0.0	45
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	45		0.0		5.0	50
<b>Subject objectives</b>	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
	[INFPL3_K01] is ready to critically assess the scope and quality of knowledge acquired and the content received, recognizing their limitations and the degree of credibility; demonstrates readiness to update one's own knowledge and confront it with various sources	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
	[INFPL3_K03] is ready to make decisions independently, critically evaluate their own actions and the actions of the teams they are part of directs, and the organizations in which it participates, accepting responsibility for the consequences of these actions	is ready to make decisions independently and take responsibility for them	[SK2] presentation/project/paper/report
	[INFPL3_K06] is ready to independently, critically and responsibly 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
	[INFPL3_W07] knows and understands facts and methods to an advanced degree in the field of designing, developing, testing, implementing and maintaining web applications and their security; applies this knowledge in practical projects, creating web applications and preparing their functional and performance tests	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
	[INFPL3_U02] is able to obtain information from literature, the Internet and other sources, critically analyze and synthesize this information, and assess its credibility and draw conclusions; can learn effectively throughout life, independently acquiring new technical competences and adapting to technological changes	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
[INFPL3_U03] is able to cooperate with other people within teamwork, including being able to manage his/her time, make commitments, communicate using various techniques in the professional environment, including the use of dedicated tools; is able to present different opinions and alternative technical solutions in the project team, explaining their basis, consequences and impact on the project implementation	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	
Subject contents	<p>Lecture: presentations and discussions conducted by IT industry specialists, regarding innovative, modern solutions and products of these companies  Laboratories: 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</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	presentation	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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