University of Gdańsk

Subject card

Subject name and code	Contemporary Applications of Computer Systems, PG_00204169						
Field of study	Informatics						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2027/2028			
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
[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

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
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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