

Subject card

Subject name and code	1 st degree Seminar (P), PG_00143994						
Field of study	Informatics						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2026/2027		
Education level	Bachelor's studies	Subject group			Obligatory subject group in the field of study Optional subject group Subject group related to practical vocational preparation		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	6	ECTS credits			6.0		
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 inż. Łukasz Kuszner				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	30
	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	30		0.0		120.0	150
Subject objectives	Students prepare a project on a selected topic and a written work containing project documentation, motivation to undertake the project and a summary. A well-done project can be a student's showcase documenting their knowledge and skills, an opportunity to expand knowledge in a selected field of computer science, learn about a selected technology not practiced during studies or test a group work method. The seminar may also be an opportunity to continue work on a group project implemented in the previous semester.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[INFL3_U01] can apply mathematical knowledge to formulate, analyse and solve tasks related to computer science, design and analyze algorithms in terms of their correctness and computational complexity	can apply mathematical knowledge to formulate, analyze and solve problems related to the undertaken project	[SU1] oral statement/conversation/discussion [SU5] implementation of a problem task
	[INFL3_K04] understands and appreciates the importance of intellectual honesty in his/her own and other people's actions; is ethical	understands the rules of honesty creating source code and written works: plagiarism, citing sources, software licenses, etc.	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report
	[INFL3_K05] can independently search for information in literature, also in foreign languages	is able to obtain information from literature, the Internet and other sources for the project, assesses their usefulness and credibility	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report [SK5] implementation of a problem task
	[INFL3_U04] can create, run and test programs using dedicated tools and design patterns	consciously applies design patterns, finds errors and fixes them	[SU2] presentation/project/paper/report [SU5] implementation of a problem task
	[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	can obtain data from literature, the Internet and other sources for the project, assess their usefulness, reliability and draws conclusions	[SU2] presentation/project/paper/report [SU5] implementation of a problem task
	[INFL3_W09] has basic knowledge of legal and social aspects of computer science, including professional and ethical responsibility, ethical codes, intellectual property, privacy and civil liberties, risks and responsibilities related to IT systems	understands the rules of honesty while creating written works, incl plagiarism, citing sources, etc. understands the responsibility of the creator of the IT system, including the risks associated with securing data and the consequences of errors in their processing	[SW1] oral statement/conversation/discussion [SW3] text preparation/written work [SW5] implementation of a problem task
	[INFL3_W07] has knowledge of designing, developing, testing, implementing and maintaining web applications and their security	creates automatic tests and manual testing scenarios if necessary.	[SW5] implementation of a problem task
	[INFL3_U05] uses advanced functionalities of operating systems, in particular related to network aspects, virtualization, containerization and other cloud technologies	uses virtualization, containerization and cloud technologies when necessary	[SU5] implementation of a problem task
	[INFL3_K01] knows the limitations of their own knowledge and understands the need for further education	understands the need to further expand knowledge	[SK1] oral statement/conversation/discussion [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	can work in a team: dividing tasks, setting deadlines, mutual motivation, presenting joint achievements, solving problems, etc.	[SK5] implementation of a problem task	
[INFL3_W04] has ordered, theoretically founded knowledge in programming, algorithms and complexity, programming languages and paradigms	pays attention to the complexity of selected design solutions, looks for simpler and more efficient methods, taking into account both the algorithms used and the design architecture	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report	
Subject contents	<ul style="list-style-type: none"> Individually or in a team: selection and preliminary analysis of the topic of work or extension of work done during the team project course Searching and studying sources related to the selected topic Consulting the material being developed and any problems encountered with the instructor Preparation of the project and its presentation 		
Prerequisites and co-requisites	team project		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	The final form of the project	51.0%	85.0%
	Timely completion of checkpoints	0.0%	15.0%
Recommended reading	Basic literature	selected for each topic separately	
	Supplementary literature	none	

	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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