



Subject card

Subject name and code	Information Technology, PG_00044509						
Field of study	Transport						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	1	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Katedra Wytrzymałości Materiałów -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Marek Jasina					
	Teachers	dr inż. Marek Jasina dr inż. Roksana Licow mgr inż. Natalia Karkosińska-Brzozowska					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	15.0	0.0	0.0	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	5.0		15.0	50	
Subject objectives	Practical aspects bases of information technology. Word processing. Calculation sheets, Data bases. Managing and presentation graphics. Information network services. Obtaining and processing of information. Information society. Technologies of access to information. Development of infrastructure of information society. Safety in the net. Bases of computers. Representation of data. Precision of calculations. Operating systems. Algorithms and nets of operations. Translators and compilers. Programming languages.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U01] able to use technical documentation and literature, databases and other sources of transport related information; able to interpret information, make logical links and formulate opinions and conclusions based on the above	Coming to know concepts of information technology: • development of infrastructure; • safety in the net; • programming.			[SU1] Assessment of task fulfilment		
	[K6_W04] has basic knowledge of informatics, electronics, telecommunications, automation and control, information technologies, computer graphics, geodesy and satellite navigation which is useful for understanding how it can be applied in transport	Coming to know concepts of information technology: • social transformations caused by technological progress; • technologies of access to information.			[SW1] Assessment of factual knowledge		

Subject contents	<p>Practical Aspects bases of information technology. Word processing. Calculation sheets, Data bases. Managing and presentation graphics.</p> <p>Information network services. Obtaining and processing of information. Information society. Technologies of access to information. Development of infrastructure of information society.</p> <p>Safety in the net. Bases of computers. Representation of data. Precision of calculations. Operating systems. Algorithms and nets of operations. Translators and compilers. Programming languages.</p>																				
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Example issues/ example questions/ tasks being completed	<p>Create a database - Access.</p> <p>Preparation of a presentation on a given topic.</p>																				
Work placement	Not applicable																				