



Subject card

Subject name and code	Informatics, PG_00055285						
Field of study	Transport and Logistics						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2022/2023		
Education level	first-cycle studies	Subject group			Obligatory subject group 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			5.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Faculty of Ocean Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Tacjana Niksa-Rynkiewicz				
	Teachers		dr inż. Marcin Życzkowski dr inż. Paulina Strąkowska mgr inż. Ewelina Ciba dr inż. Piotr Bzura dr inż. Patrycja Puzdrowska dr inż. Tacjana Niksa-Rynkiewicz				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	30.0	15.0	0.0	60
	E-learning hours included: 0.0						
	Informatyka, P1b, TiL, sem.01, zimowy 22/23 - Moodle ID: 26914 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=26914 Informatyka, P5b, TiL, sem.01, zimowy 22/23 - Moodle ID: 26915 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=26915 Informatyka, 4a i 5a, L, TiL, sem.1, zima 22/23 (PG_00055285) - Moodle ID: 26916 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=26916						
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	60	5.0	60.0	125		
Subject objectives	The aim of the course is to master the skills in the field of programming, problem solving and algorithm creation, building block diagrams and using pseudo code and scripting language in the Matlab environment. Writing programs, creating functions and procedures. Using tables and variables of various types. Using functions that allow you to visualize test results in the MATLAB and MsExcel environments						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W04] has a basic knowledge in IT, electronics, automation and control, computer graphics useful to understand the possibilities of their application in transport	The student is able to independently develop a solution using a block diagram and scripting language in the MATLAB environment			[SW3] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge		
	[K6_U01] can obtain information from literature, databases and other sources, can verify and organize the obtained information, interpret them and form conclusions and justified opinions	The student is able to find independently the information allowing to solve tasks and tests in the field of learning about programming, creating and building simple programs in the MATLAB environment			[SU3] Assessment of ability to use knowledge gained from the subject [SU1] Assessment of task fulfilment		
Subject contents	The thematic scope of the classes includes the basics of computer science and science about programming, problem solving and algorithm creation, construction of block diagrams and using pseudo code and script language in the Matlab environment. Writing programs, creating functions and procedures. Using tables and variables of various types. Using functions that allow you to visualize test results.						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		umiejętność rozwiązywać problemów. algorytmy	60.0%
Recommended reading	Basic literature	<ul style="list-style-type: none"> • http://www.mathworks.com/ • Working with Matlab (or octave). A Tutorial (Chicago Univ.) • Matlab Tutorial (Utah) • Matlab Summary and Tutorial 	
	Supplementary literature	<ul style="list-style-type: none"> • A Practical Introduction to Matlab (Updated for Matlab 5) • CTM: Control Tutorials for Matlab • MATLAB Tutorial (UMD) 	
	eResources addresses	Podstawowe https://enauczanie.pg.edu.pl/moodle/course/view.php?id=24396 -	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		