GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Informatics II, PG_00048931						
Field of study	Materials Engineering, Materials Engineering, Materials Engineering, Materials Engineering						
Date of commencement of studies	October 2020		Academic year of realisation of subject		2021/2022		
Education level	first-cycle studies		Subject group		Obligatory subject group in the field of study		
Mode of study	Full-time studies		Mode of delivery		blended-learning		
Year of study	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		4.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Electrochemistry, Corrosion and Materials Engineering -> Faculty of Chemistry						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Łukasz Gaweł				
	Teachers		dr inż. Łukasz Gaweł dr inż. Kacper Jurak				

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	30.0	0.0	0.0	45
	E-learning hours included: 14.0						
	Adresy na platformie eNauczanie: Informatyka II 2021 - Moodle ID: 17515 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=17515						

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	5.0	50.0	100

Subject objectives	Mastering by the student the basics of operating Windows and its security as well as the principles of operation of the computer network and its individual components. In addition, the student will learn about the configuration of selected network devices and the use of basic tools used on the Internet. The acquired knowledge will be useful in the further course of studies, in future professional work and in everyday life when using modern electrical and electronic devices

Learning outcomes	Course outcome	Subject outcome	Method of verification
	K6_U04	The student knows the possibilities of network connections with measuring devices and how to implement them	[SU3] Assessment of ability to use knowledge gained from the subject
	K6_W01	The student knows and is able to use the available programs and operating systems to solve the problems encountered	[SW1] Assessment of factual knowledge
	K6_W05	The student knows the construction and application of basic network devices and the use of popular operating systems.	[SW1] Assessment of factual knowledge
	K6_K01	The student is able to use various sources of documentation in the field of computer operation	[SK5] Assessment of ability to solve problems that arise in practice

Subject contents	Lectures: 1. Advanced information search 2. Scientific databases and bibliography management 3. Distance teaching and meetings 4. Windows system - security, users and data protection 5. Basics of a computer network 6. Local network 7. Global network 8. Network protocols 9. Configuration of network devices

Prerequisites and co-requisites	Basics of mathematics and computer science General computer literacy Basic ability to use Microsoft operating systems		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Laboratory	60.0%	70.0%
	Lecture	60.0%	30.0%
Recommended reading	Basic literature	K. Barksdale- Internet BASICS R. Scott- Networking for Beginners	
	Supplementary literature	Documentation on the Internet - lectures and films on popular websites	
	eResources addresses	Informatyka II 2021 - Moodle ID: 17515 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=17515	
Example issues/ example questions/ tasks being completed	What are the types of computer networks? Internet network configuration using network settings Blocking user access to the designated folder		
Work placement	Not applicable		