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

<table>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">Basics of mathematics and computer science
General computer literacy
Basic ability to use Microsoft operating systems</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Laboratory</td><td>60.0%</td><td>70.0%</td></tr>
<tr><td>Lecture</td><td>60.0%</td><td>30.0%</td></tr>
</table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">K. Barksdale- Internet BASICS

R. Scott- Networking for Beginners</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">Documentation on the Internet - lectures and films on popular websites</td></tr>
<tr><td>eResources addresses</td><td colspan="2">Informatyka II 2021 - Moodle ID: 17515
https://enauczanie.pg.edu.pl/moodle/course/view.php?id=17515</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">What are the types of computer networks?
Internet network configuration using network settings
Blocking user access to the designated folder</td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
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