

GDAŃSK UNIVERSITY

Subject card

Subject name and code	Communication and visualisation in building management systems, PG_00048444							
Field of study	Automatic Control, Cybernetics and Robotics							
Date of commencement of studies	February 2023		Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies		Subject group			Optional subject group 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	2		ECTS credits			1.0		
Learning profile	general academic profile		Assessment form			assessment		
Conducting unit	Department of Automatic Control ->		Faculty of Electronics, Telecommunic			cations and Informatics		
Name and surname	Subject supervisor		dr inż. Piotr F	iertek				
of lecturer (lecturers)	Teachers		dr inż. Piotr Fiertek					
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM
of instruction	Number of study hours	15.0	0.0	0.0	0.0		0.0	15
	E-learning hours inclu	E-learning hours included: 0.0				1		
Learning activity and number of study hours	Learning activity		Participation in didactic classes included in study		n Iours	Self-study		SUM
	Number of study hours	15		2.0		8.0		25
	The following solution	ns will be discu	ssed in more d	etail: LonWork	s and B/	ACnet.		
Learning outcomes	The following solution		1	etail: LonWork	s and B		Method of ve	erification
Learning outcomes		come d ncreased rocess and	Subj Getting to kno construction a	ject outcome ow the basics o and operation o on systems in E ecially from	f the of		Assessment	
Learning outcomes	Course out [K7_W05] Knows an understands, to an in extent, methods of p function support, spe field of study. [K7_W03] Knows an understands, to an in extent, the construct operating principles components and sys to the field of study, theories, methods an relationships betwee selected specific issues	icome id increased increased ecific to the increased ion and of stems related including includin	Subj Getting to kno construction a communicatio systems. Esp LonWorks an Getting to kno construction a	ject outcome ow the basics of on systems in the ecially from d BACnet. ow the basics of and operation of on systems in the ecially from	f the of BMS f the	[SW1] knowle	Assessment edge Assessment	of factual
Learning outcomes	Course out [K7_W05] Knows an understands, to an ir extent, methods of p function support, spe field of study. [K7_W03] Knows an understands, to an ir extent, the construct operating principles components and sys to the field of study, theories, methods ar relationships between	icome id increased increased ecific to the increased ion and of stems related including includin	Sub Getting to kno construction a communicatio systems. Esp LonWorks an Getting to kno construction a communicatio systems. Esp LonWorks an	ject outcome ow the basics of and operation of on systems in E ecially from d BACnet. ow the basics of and operation of on systems in E ecially from d BACnet.	f the of IMS of the of IMS	[SW1] knowle [SW1] knowle	Assessment edge Assessment edge	of factual
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Subject contents Prerequisites	Course out [K7_W05] Knows an understands, to an ir extent, methods of p function support, spe field of study. [K7_W03] Knows an understands, to an ir extent, the construct operating principles components and sys to the field of study, theories, methods ar relationships betwee selected specific issi appropriate for the c K7_K02 1. Basic issues of con 2. Communication mo	icome d ncreased process and ecific to the d ncreased ion and of stems related including nd complex en them and ues - urriculum. mmunication pre- edia ication protoco ication of the S	Sub Getting to kno construction a communicatio systems. Esp LonWorks an Getting to kno construction a communicatio systems. Esp LonWorks an Implementatio based on the Trace Mode s rotocols Is in control systems.	ject outcome ow the basics of and operation of on systems in E ecially from d BACnet. ow the basics of and operation of on systems in E ecially from d BACnet.	f the of IMS of the of IMS	[SW1] knowle [SW1] knowle	Assessment edge Assessment edge	of factual

Recommended reading	Basic literature	Praca Zbiorowa "Building Automation: System Integration with Open Protocols" wydawnictwo APT, Orland Park USA, 2009				
	Supplementary literature	no requirements				
	eResources addresses	Adresy na platformie eNauczanie:				
		Komunikacja i wizualizacja w automatyce budynków - 2023/24 - Moodle ID: 32657 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=32657				
Example issues/ example questions/ tasks being completed						
Work placement	Not applicable					