GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Cybersecurity, E:41027W0		
Field of study	Space and Satellite Technologies		
Date of commencement of studies	February 2025	Academic year of realisation of subject	2024/2025
Education level	second-cycle studies	Subject group	
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	English
Semester of study	1	ECTS credits	2.0
Learning profile		Assessment form	assessment
Conducting unit	Faculty of Electronics, Telecommunications and Informatics		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Zbigniew Łubniewski	
	Teachers	dr hab. inż. Zbigniew Łubniewski	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	15.0	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	0.0	0.0	30

Subject objectives

To familiarise students theoretically and practically with basics of cybersecurity.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K7_W10	Student is familiar with cybersecurity issues in the context of space and satellite applications.	[SW1] Assessment of factual knowledge
K7_U10	He takes into account cybersecurity issues when impementing tasks related to space and satellite technologies.	[SU1] Assessment of task fulfilment
K7_U14	He is able to define cybersecurity requirements for space and satellite applications.	[SU3] Assessment of ability to use knowledge gained from the subject
[K7_K02] Understands the non-technical aspects of activities in the field of space and satellite technologies, including their social consequences and impact on the state of the environment. Expresses opinions on the development of technology and related risks.	He understands non-technical and social threats related to cybersecurity.	[SK2] Assessment of progress of work
K7_U11	He is able to utilise his legal knowledge on cybersecurity.	[SU1] Assessment of task fulfilment

Subject contents

Brief introduction to cybersecurity; IT Security risk management practices; Threat modelling; Multilayered approach to information security management; Introduction to DevOpsSec approach

Prerequisites and co-requisites

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Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
exam	50.0%	50.0%
project	50.0%	50.0%

Recommended reading

Basic literature	Students will receive a reading list at the beginning of the semester.
Supplementary literature	-
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	-
Work placement	Not applicable

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