

Subject card

Subject name and code	Critical Infrastructure Protection, PG_00147499						
Field of study	National Security						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study Optional subject group		
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		4.0		
Learning profile	practical		Assessment form		credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		mgr Aleksander Kazak				
	Teachers		mgr Aleksander Kazak				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	30.0	0.0	0.0	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		70.0	100
Subject objectives	The main goal is to demonstrate the importance of critical infrastructure and its role in the functioning of the state and city. Theoretical and practical issues related to the protection of critical infrastructure and the consequences of inadequate security will be discussed.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BNMU2_W12] Has advanced knowledge of Poland's place and role in international security systems.	Is able to define the role of the state and its institutions in the sphere of national security.	[SW2] presentation/project/paper/report
	[BNMU2_W11] Has advanced knowledge of security strategies at provincial and national levels.	Has the ability to analyze mechanisms of political power in the context of security and utilizes relevant knowledge.	[SW2] presentation/project/paper/report
	[BNMU2_W07] Has advanced knowledge of the processes and factors shaping them in public security institutions and structures.	Can integrate theoretical knowledge with practical experience in making security-related decisions.	[SW2] presentation/project/paper/report
	[BNMU2_W09] Has advanced and structured knowledge of the essence, dynamics, and specificity of security threats in various spheres of social life.	Able to apply practical knowledge of the social, historical, economic, and cultural conditions of security.	[SW2] presentation/project/paper/report
	[BNMU2_W06] Has advanced knowledge of the functioning of democratic structures in civil society.	Able to apply knowledge of the social, historical, economic, and cultural conditions of security in practice.	[SW2] presentation/project/paper/report
	[BNMU2_K04] Takes up professional roles responsibly and in an enterprising manner, is able to cooperate and properly carry out assigned security tasks.	Is able to integrate theoretical knowledge with practical experience in making security-related decisions.	[SK2] presentation/project/paper/report
	[BNMU2_K03] Has the ability to prioritise goals, methods of operation, and define security priorities. Is prepared to initiate safety activities and make independent decisions and be responsible for the results of own actions and those of the team manages.	Can identify real and hypothetical threats in the political sphere and security domain.	[SK2] presentation/project/paper/report
	[BNMU2_W04] Knows in an extended way the principles of functioning of individuals and social groups in public life and understands the role of social institutions and organizations in this respect. Knows the conditions and forms of citizens' participation in social life at its various levels.	Recognize the relationships between political organizations and institutions on both national and international scales, including in the social context.	[SW2] presentation/project/paper/report
	[BNMU2_U03] Analyses in-depth the causes and course of processes and their evolution related to security, predicts challenges, trends and threats to the social, political, legal, economic and ethical environment using tools and methods specific to security sciences.	Able to apply knowledge of the social, historical, economic, and cultural conditions of security in practice.	[SU2] presentation/project/paper/report
	[BNMU2_U07] At an advanced level identifies and explains the conditions of state security and predicts the impact of social processes on security in particular in relation to the dependencies in which Poland participates.	Dynamic changes in security policy at the international and national levels can be analyzed and interpreted.	[SU2] presentation/project/paper/report
	[BNMU2_U06] Is able to organise and analyse the causes and effects of security threats and indicates important countermeasures, skillfully arguing and using the acquired knowledge to convey knowledge in oral and/or written statements in the field of security.	Dynamic changes in security policy at both international and national levels can be analyzed and interpreted.	[SU2] presentation/project/paper/report
	[BNMU2_U01] Identifies and interprets in-depth the processes of change in the area of security effects.	Is capable of analyzing and interpreting dynamic changes in security policy at the international and national levels.	[SU2] presentation/project/paper/report
	[BNMU2_U04] Uses advanced knowledge of normative systems regarding public safety to respond to emerging challenges adequately.	Possesses advanced knowledge of state structures, politics, and public administration in the context of security.	[SU2] presentation/project/paper/report

	Course outcome	Subject outcome	Method of verification
	[BNMU2_U13] Conducts in a professional manner in professional work and public activities.	Is ready to actively participate in public life through the ability to formulate opinions, take positions, and engage in discussions.	[SU2] presentation/project/paper/report
	[BNMU2_U05] In-depth indicates and explains the role of a democratic state and civil society in the area of security.	Able to identify and explain the role of a democratic state and civil society in the area of security.	[SU2] presentation/project/paper/report
	[BNMU2_U12] Is thoroughly prepared to actively participate in public life, to work in public institutions and organisations, with particular emphasis on public administration and uniformed services and international security management institutions.	Possesses interpersonal skills necessary for effective communication and teamwork collaboration.	[SU2] presentation/project/paper/report
	[BNMU2_U10] Is prepared to manage teams of people in an orderly manner, is able to prepare and implement projects, including those involving cooperation with other people and are interdisciplinary in nature, solves tasks in the field of planning security activities, taking into account legal and ethical aspects.	Interpersonal skills necessary for effective communication and teamwork collaboration are possessed.	[SU2] presentation/project/paper/report
	[BNMU2_K05] Is prepared to professionally perform professional tasks in the field of security, observe and develop the principles of professional ethics, and conduct activities aimed at integrating the security environment, taking into account changing social needs.	Practical application of knowledge in professional activities related to security is known.	[SK2] presentation/project/paper/report
	[BNMU2_W13] Understands and identifies risk management and decision-making mechanisms in an orderly and advanced manner, including the essence and importance of the relationship between the media and the sphere of security, including legal and ethical issues in the field of intellectual property and copyright protection.	Dynamic changes in security policy at the international and national levels can be analyzed and interpreted.	[SW2] presentation/project/paper/report
[BNMU2_W10] Has advanced knowledge of the activities of public institutions and structures operating for security.	There is knowledge of security policies at the local, regional, and global levels.	[SW2] presentation/project/paper/report	
Subject contents	Contemporary concept of national security.Scope and concepts of critical infrastructure. Issues concerning the security of critical infrastructure.Contemporary threats to critical infrastructure. Globalization and critical infrastructure.Threats arising from the use of weapons of mass destruction.Legal regulations for protecting critical infrastructure.Critical infrastructure facilities and defensive and offensive actions in the realm of terrorist threats.Contemporary cities as targets of terrorist attacks.Security and counterterrorism defense of public spaces.Anti-terrorism security measures for buildings and construction sites. Terrorism and the modern city analysis of selected examples (London, New York, Washington).Analysis of the vulnerability of the Faculty of Social Sciences at the University of Gdańsk to a terrorist attack.Communication security threats to infrastructure and potential consequences.Telecommunication security threats to infrastructure and potential consequences.Energy security threats to infrastructure and potential consequences.Environmental security threats to infrastructure and potential consequences.Risk analysis for the protection of critical infrastructure.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Knowledge of course content	50.0%	50.0%
	Accuracy of content	50.0%	50.0%
Recommended reading	Basic literature	Ochrona infrastruktury krytycznej, pod red. A. Tyburskiej, Szczytno 2010. Ustawa o zarządzaniu kryzysowym z 26 kwietnia 2007 r., DzU nr 89, poz. 590 z późn. zm. Radziejewski R., Infrastruktura krytyczna Przegląd Obrony Cywilnej 2007, nr 7.	
	Supplementary literature	Absence	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Presentation or project on environmental security.Presentation or project on security and counterterrorism defense of public spaces.Presentation or project on legal regulations for protecting critical infrastructure.		

Work placement	Not applicable
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