



## BYDGOSKA SZKOŁA WYŻSZA

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SUBJECT CARD								
Course Code			BNPL604					
Course Name			CYBERTERRORISM					
USYTUOWANIE PRZEDMIOTU W SYSTEMIE STUDIÓW								
Field of study			NATIONAL SECURITY					
Form of study			Part-time					
Level of study			Bachelor's Degree					
Profile of study			Practical					
Field of study/discipline			Social Sciences/Academic Discipline: Security Studies, Political and Administrative Studies, Legal Studies					
Unit teaching the course			Bydgoszcz University of Applied Sciences					
Teachers			mgr inż. Radosław Jaroszewski					
GENERAL CHARACTERISTICS OF THE CLASSES								
Course Status			Compulsory					
Module Belonging			Elective module					
Language of Instruction			Polish					
Semesters in Which the Course Is Taken			Sixth					
Prerequisites			Communicative knowledge of English					
GENERAL CHARACTERISTICS OF THE CLASSES								
Class Format	lecture	exercises	seminar	laboratory	project	practice	self-study	ECTS
Number of Hours	10	10	-	-	-	-	55	3
Course delivery method		Problem-based lecture and discussion. Exercises: Preparing a presentation and discussing a given topic.						
Course completion method		Lecture: Assessment of class participation and oral examination. Exercises: Assessment of the prepared presentation and logical reasoning skills.						
Teaching methods		Lecture: Problem-based and activating methods. Exercises: Expository and expository methods.						
List of literature								
basic		1. Owen T., <i>Cybercrime and Cyber Terrorism</i> , 2025. 2. Kowalewski M., Kowalewski J., <i>Zagrożenia informacji w cyberprzestrzeni, cyberterroryzm</i> , 2020.						
supplementary		1. Blackmore B., Awan I., <i>Policing Cyber Hate, Cyber Threats and Cyber Terrorism 1</i> , 2016.						

OBJECTIVES, CONTENT, AND LEARNING OUTCOMES	
Course Objectives	
Objectiv 1	Presentation of the most important concepts and terms used in the implementation of tasks related to cyberterrorism in changing geopolitical circumstances.

Program Content		
LECTURE FORM		
	hours	Program content
lectures	10 h	<ul style="list-style-type: none"> <li>— Defining "cyberterrorism." Cyberterrorism as the new face of terrorism.</li> <li>— Propaganda and communication.</li> <li>— The internet as a weapon.</li> <li>— "Critical systems" and examples of security breaches.</li> <li>— Cyberterrorism in the US defense doctrine. NATO and cyberterrorism.</li> <li>— Polish cyberspace defense - the Polish cybersecurity strategy and doctrine.</li> <li>— Convention on Cybercrime.</li> </ul>
EXERCISE FORM		
exercises	10 h	<ul style="list-style-type: none"> <li>— Cyberterrorist attacks (examples) – case study</li> <li>— Internet warfare – case study</li> <li>— Information security – case study</li> </ul> <p>Discussion of selected, current examples of cyberterrorism in the world - practical classes.</p>

Learning Outcomes				
	Student who passed the course.	Reference to learning outcomes.		
	in the field of KNOWLEDGE	for direction	UCh I st. PRK level 6	Ch II st. PRK level 6
EU1	Defines the cyberterrorism concept	K_W01 K_W07	P6U_W	P6S_WG
EU2	Knows the main assumptions of cyberterrorism	K_W05	P6U_W	P6S_WG
EU3	Explains regional approaches to cyberterrorism	K_W04 K_W07	P6U_W	P6S_WG
in terms of SKILLS				
EU4	Analyses the key problems of cyberterrorism	K_U02 K_U04 K_U10	P6U_U	P6S_UW P6S_UK
EU5	Evaluates the use of the cyberterrorism concept by international organizations	K_U02 K_U04 K_U10	P6U_U	P6S_UW
in the field of COMPETENCE				
EU6	Is aware of the importance of countering cyberterrorism	K_K01	P6K_K	P6S_KK
EU7	Is aware of the impact of cyberterrorism on the contemporary states' policies	K_K05	P6K_K	P6S_KR

Criteria for assessing the achieved results	
<b>Grade 2</b>	He is unfamiliar with basic concepts, terms, phenomena, and conditions related to cyberterrorism. He is unable to properly assess the processes involved in shaping cyberterrorism. He was absent from exercises and did not submit assigned work.
<b>Grade 3</b>	Knows the basic concepts, definitions, and conditions in the field of cyberterrorism. Has a basic understanding (between 51 and 60%) of human security and is able to properly assess, at a basic level, the processes involved in shaping cyberterrorism.
<b>Grade 3.5</b>	Knows the most important concepts, terms, and definitions related to cyberterrorism. Has mastered the knowledge (61 to 70%) to a level that allows for understanding the phenomena and processes related to cyberterrorism. Can make general summaries and draw conclusions. Was present at most exercises.
<b>Grade 4</b>	Knows and can explain most of the concepts, definitions, and terms in the material covered. Possesses a substantive knowledge base (71 to 80%) sufficient to analyze and evaluate processes occurring in cyberterrorism. Participated in exercises and demonstrated active participation.
<b>Grade 4.5</b>	Demonstrates a better than good understanding of definitions, terms, and concepts related to

	cyberterrorism. Demonstrates near-complete knowledge (ranging from 81% to 90%). Demonstrates ability to draw conclusions and accurately analyzes substantive content related to cyberterrorism. Attends and actively participates in training sessions. Demonstrates interest in the subject matter.
<b>Grade 5</b>	Knows and is able to explain in detail all the concepts and terms in the subject. Has a complete knowledge base (91% to 100%). Can accurately and accurately assess processes and phenomena related to shaping cyberterrorism. Understands and recognizes the need for continuous updating of knowledge. Participated in exercises and demonstrated high levels of participation.

Assessment methods	
<b>Formative Assessment F</b>	
F1. Student statements indicating understanding or gaps in understanding of the content discussed (lecture + exercises)	
F2. Questions asked by the student indicating the level of knowledge and interest in the topic (lecture)	
F3. Student cognitive activity - knowledge of the literature on the subject, independent drawing of conclusions (lecture)	
F4. Student preparation of material in advance and its presentation in class	
F5. Ongoing assessment of learning progress - knowledge tests, quizzes (exercises)	
<b>Summative Assessment P</b>	
P1. Assessment of the colloquium at the end of the tutorials (exercises)	
P2. Assessment of the colloquium at the end of the seminars	
P3. Assessment of the prepared presentations (exercises)	
P4. Assessment of the final exam (lecture)	

METODY (SPOSOBY) WERYFIKACJI I OCENY ZAKŁADANYCH EFEKTÓW UCZENIA SIĘ OSIĄGNIĘTYCH PRZEZ STUDENTA						
Efekt uczenia się	Forma oceny					
	wykład		ćwiczenia			
	Zaliczenie pisemne - test	Zaliczenie ustne/ Egzamin ustny	Zaliczenie ćwiczeń – prezentacja	rozwiązanie zadań / ćwiczenia – case study	Kolokwia/ ćwiczenia	Obecność i aktywność na zajęciach / ćwiczenia
EU 1		X				
EU 2		X				
EU 3		X				
EU 4			X			
EU 5			X			
EU 6		X	X			
EU 7		X	X			

<b>final exam</b>	Lecture: Assessment of class participation and oral exam
<b>final exam</b>	Exercises: Assessment of prepared presentation and logical reasoning skills

Student workload - point balance ECTS			
A form of activity		Student workload	
		Hours	ECTS
Contact hours with an academic teacher, including:			
Hours based on the study plan	lectures	10	0,4
	exercises	10	0,4
To sum up		20	0,8
Hours without the participation of an academic teacher resulting from the student's workload, including			
Preparing for an exam/final assessment/taking an exam/final assessment		25	1,0
Preparing for tests/oral assessment		---	---

Preparing for classes, including studying recommended literature	15	<b>0,6</b>
Preparing a report, project, presentation, or discussion	15	<b>0,6</b>
<b>To sum up</b>	<b>55</b>	<b>2,2</b>
	<b>75</b>	<b>3,0</b>

<b>ECTS points balance</b>					
ECTS/ LECTURE	ECTS/ EXERCISES	ECTS/ LABORATORY	ECTS/ / PROJECT	ECTS/ SEMINARY	ECTS
<b>1,5</b>	<b>1,5</b>	-	-	-	<b>3,0</b>