	WSB University							
Field of study: National security								
Course: Security in communication								
Educational profile: practical								
Education level: I-cvcle studies								
Number of hours per		1		2	3			
semester				IV	V	VI		
Full stime studies	1	п		10	v	••		
/I /C/lah/nr/e)*						18c		
Dart-time studies								
/I /C/lab/pr/o)						14c		
	drinit Krustian Maazka							
LECTORER	ui IIIZ. riysudli Wączka							
FORM	Classes							
FURIN	Ulasses							
COUDSE								
	To acquaint the student with the main threats of communication security breach and methods of							
Deference to learn	securing comm	iunication.	tion of looms		Verification of la			
Reference to learn	ing outcomes	Descrip	otion of learn	ing outcomes	verification of le	arning outcomes		
Field-related	PQF							
learning outcome								
	•		Knowledge		•			
BN_W06	P6U_W	Knows and u	understands th	ne process of	Test			
		violating con	nmunication s	ecurity, knows				
		methods of i	ncreasing sec	urity in				
		communicat	ion;					
			Skills					
BN_U02	P6U_U	Can choose	methods of se	ecuring	Test			
		communicat	ion adequatel	y to the category				
	of secrets passed on;							
	•	So	cial compete	nces				
BN_K06	P6U_K	He is ready t	to take profess	sional actions in	Test			
		the field of selecting methods of securing						
		communicat	ion;	Ũ				
Students' own workload (in didactic hours 1h=45 minutes)**								
Full- time			Part-ti	Part-time				
Participation in lectures	Participation in lectures =			Participation in lectures =				
Participation in classes = 18			Partici	Participation in classes = 14				
Preparation to classes = 15			Prepar	Preparation to classes = 17				
Preparation to lectures =			Prepar	Preparation to lectures =				
Preparation to an examination = 15			Prepar	Preparation to an examination = 17				
Project tasks =			Projec	Project tasks =				
e-learning =			e-learr	e-learning =				
Credit/examination =2			Credit/	Credit/examination =2				
others (indicate which) = 2			others	others (indicate which) = 2				
TOTAL: 52				TOTAL:52				
ECTS points: 2				ECTS points:2				
Including practical classes:								
PREREQUISITES	n/a							

COURSE CONTENT	Contact hours:			
(Division into contact	Division and definitions of selected categories of threats			
hours and e-learning)	Information security management			
	Methods of securing communication			
	Classification of user authentication methods			
	The approximation of the third based on the upprint knowledge			
	• The specificity of methods based on the user's knowledge			
	 Authorization methods based on biometric techniques 			
	 User authentication based on physical authorization attribute 			
	Applications of cryptography			
	Application of a digital signature			
	Steganography			
	E-learning:n/a			
	Dishard F. Dishut Originationship and October Operation for fat Fitting JODN 42: 070			
	Richard E. Blanut, Cryptography and Secure Communication 1st Edition, ISBN-13: 978-			
(compulsory reading)	110/014275, ISBN-10: 110/014271			
	Bryan C. Taylor, Hamilton Bean, The Handbook of Communication and Security, 2019			
OPTIONAL	ALRIKABI, Haider TH; HAZIM, Hussein Tuama. Enhanced Data Security of Communication			
LITERATURE	System Using Combined Encryption and Steganography. International Journal of Interactive			
(including at least two	Mobile Technologies, 2021, 15.16			
items in English, either	Stavroulakis, Peter & Stamp, Mark. (2010). Handbook of Information and Communication			
books of articles)	Security. 10.1007/978-3-642-04117-4.			
TEACHING	Contact hours:			
METHODS	Interactive lecture			
(Division into contact	Brainstorm			
hours and e-learning)	Discussion			
	E-learning:n/a			
TEACHING AIDS	Multimedia projector, software supporting security solutions.			
PROJECT	Project goal:n/a			
(if implemented in the	Topic of the project:			
framework of a classes	Project form:			
module)				
FORM AND	Test			
CONDITIONS OF				
ASSESSMENT				
(Division into contact				
hours and e-learning)				

* L-lecture, C- classes lab- laboratory, pro- project, e- e-learning