

Faculty of Information and Communication Technology/Department of Fundamentals of Computer Science					
COURSE CARD					
Name of the course in polish	: <b>Wykład Monograficzny z Bezpieczeństwa Komputerowego</b>				
Name of the course in english	: <b>Monographic Lecture on Computer Security</b>				
Field of study	: Algorithmic Computer Science				
Specialty (if applicable)	:				
Level and form of studies	: II degree, stationary				
Type of course	: optional				
Course code	: W04INA-SM4114G				
Group of courses	: Yes				
	Lectures	Exercides	Laboratory	Project	Seminar
Number of classes held in schools (ZZU)	30	15	15		
The total number of hours of student workload (CNPS)	60	60	60		
Assesment	pass				
For a group of courses final course mark	X				
Number of ECTS credits	2	2	2		
including the number of points corresponding to the classes of practical (P)		2	2		
including the number of points corresponding occupations requiring direct contact (BK)	2	1	1		
PREREQUISITES FOR KNOWLEDGE, SKILLS AND OTHER POWERS					
COURSE OBJECTIVES					
<p><b>C1</b> Presentation of new trends in computer security</p> <p><b>C2</b> Practical mastery of the tools and concepts discussed at the lecture</p> <p><b>C3</b> mplementation and testing of problems presented during the lecture</p>					
COURSE LEARNING OUTCOMES					
The scope of the student's knowledge:					
<b>W1</b> Learning new ideas in computer security					
The student skills:					
<b>U1</b> Can apply new IT solutions					
The student's social competence:					
<b>K1</b> Understands the need to track new achievements in IT					
COURSE CONTENT					
Type of classes - lectures					
Wy1	Presentation of selected computer security issues				30h
	Sum of hours				30h

Type of classes - exercises		
Ćw1	Solving problems discussed during the lecture	15h
	Sum of hours	15h
Type of classes - laboratory		
Lab1	Implementation and testing of problems discussed during the lecture	15h
	Sum of hours	15h
Applied learning tools		
<ol style="list-style-type: none"> <li>1. Traditional lecture</li> <li>2. Multimedia lecture</li> <li>3. Solving tasks and problems</li> <li>4. Solving programming tasks</li> <li>5. Consultation</li> <li>6. Self-study students</li> </ol>		
EVALUATION OF THE EFFECTS OF EDUCATION ACHIEVEMENTS		
Value	Number of training effect	Way to evaluate the effect of education
F1	W1, K1-K1	Final test
F2	U1-U1, K1-K1	Test, activity on exercises
F3	U1-U1, K1-K1	Issued implementations of problems
$P=40\%*F1+30\%*F2+30\%*F3$		
BASIC AND ADDITIONAL READING		
<ol style="list-style-type: none"> <li>1. The literature will be given at the beginning of the class by the lecturer</li> </ol>		
SUPERVISOR OF COURSE		
prof. Mirosław Kutylowski		

**MATRIX OF LEARNING OUTCOMES FOR THE SUBJECT**  
**Wykład Monograficzny z Bezpieczeństwa Komputerowego**  
**WITH LEARNING OUTCOMES IN THE FIELD OF ALGORITHMIC COMPUTER SCIENCE**

Subject learning effect	Relating the subject effect to the learning outcomes defined for the field of study	Objectives of the course**	Program content**	Teaching tool number**
W1	K2_W04 K2_W05	C1	Wy1-Wy1	1 2 5 6
U1	K2_U01 K2_U05 K2_U06 K2_U11 K2_U12	C2 C3	Ćw1-Ćw1 Lab1-Lab1	3 4 5 6
K1	K2_K03	C1 C2 C3	Wy1-Wy1 Ćw1-Ćw1 Lab1-Lab1	1 2 3 4 5 6