

1.	Field of study	Computer Science
2.	Academic year of entry	2016/2017 (summer term)
3.	Level of qualifications/degree	second-cycle studies
4.	Degree profile	general academic
5.	Mode of study	full-time

Module: Security of Information Systems

Module code: 08-IN-IJO-S2-BSI

1. Number of the ECTS credits: 1

2. Learning outcomes of the module			
code	description	learning outcomes of the programme	level of competence (scale 1-5)
BSI-K_1	Can work in a team with tasks co-ordination.	K_2_A_I_K01	2
		K_2_A_I_K03	3
BSI-K_2	Can define tasks to be performed to realize data security.	K_2_A_I_K05	3
		K_2_A_I_K06	2
BSI-U_1	Student can differentiate various aspects of IT system security.	K_2_A_I_U01	2
		K_2_A_I_U03	3
BSI-U_2	Can acquire information necessary to realize appropriate level of security.	K_2_A_I_U01	1
		K_2_A_I_U10	4
BSI-U_3	Can select solutions for a specific use.	K_2_A_I_U08	2
		K_2_A_I_U16	1
BSI-U_4	Can simulate operation of modern cryptographic algorithms.	K_2_A_I_U08	1
		K_2_A_I_U13	1
		K_2_A_I_U15	1
		K_2_A_I_U19	2
BSI-W_1	Knows basic terminology In the field of IT systems security.	K_2_A_I_W20	3
		K_2_A_I_W21	2
BSI-W_2	Gets acquainted with professional software methods of authentication.	K_2_A_I_W10	2

		K_2_A_I_W20	3
BSI-W_3	Gets acquainted with other authentication methods – biometrics.	K_2_A_I_W11 K_2_A_I_W12 K_2_A_I_W14	1 2 2
BSI-W_4	Knows issues connected with allocation of allowances.	K_2_A_I_W10 K_2_A_I_W20	2 3
BSI-W_5	Gets acquainted with modern cryptography characteristics.	K_2_A_I_W02 K_2_A_I_W03 K_2_A_I_W20	2 2 1
BSI-W_6	Gets acquainted with mechanisms of managing remote devices in each level of mobile services life-cycle.	K_2_A_I_W01 K_2_A_I_W04 K_2_A_I_W08	2 2 1
BSI-W_7	Gets acquainted with methods of security audit.	K_2_A_I_W01 K_2_A_I_W11	4 1
BSI-W_8	Practical methods of graphic and audio data protection.	K_2_A_I_W02	3
BSI-W_9	Practical methods of multimedia and documents backup in a cloud.	K_2_A_I_W04 K_2_A_I_W11	2 3

3. Module description

Description	Module enables practical knowledge acquisition with issues of data protection
Prerequisites	

4. Assessment of the learning outcomes of the module

code	type	description	learning outcomes of the module
BSI_w_1	Lecture credit	The grade verifies possessed knowledge and, above all, its understanding. It is exhibited by control tests and additional elaborations.	BSI-W_1, BSI-W_2, BSI-W_3, BSI-W_4, BSI-W_5, BSI-W_6, BSI-W_7, BSI-W_8, BSI-W_9
BSI_w_2	Laboratory class credit	Credit grade is the result of partial grades obtained during a semester from particular tests.	BSI-K_1, BSI-K_2, BSI-U_1, BSI-U_2, BSI-U_3, BSI-U_4
BSI_w_3	Project works	Project tasks sum up the effects of partial works.	BSI-U_3, BSI-U_4, BSI-W_3, BSI-W_7

5. Forms of teaching						
code	form of teaching			required hours of student's own work		assessment of the learning outcomes of the module
	type	description (including teaching methods)	number of hours	description	number of hours	
BSI_fs_1	lecture	It is presentation of the newest solutions in the field of data security, with use of audio-visual aids.	15			BSI_w_1
BSI_fs_2	laboratory classes	It is the realization of practical solutions by groups of students and individually.	15			BSI_w_2, BSI_w_3