

STUDY MODULE DESCRIPTION FORM		
Name of the module/subject Data security policy		Code 1010332421010337164
Field of study Computer Science	Profile of study (general academic, practical) (brak)	Year /Semester 1 / 2
Elective path/specialty Safety of Computer Systems	Subject offered in: polish	Course (compulsory, elective) elective
Cycle of study: Second-cycle studies	Form of study (full-time, part-time) full-time	
No. of hours Lecture: 2 Classes: - Laboratory: 2 Project/seminars: -		No. of credits 5
Status of the course in the study program (Basic, major, other) (brak)		(university-wide, from another field) (brak)
Education areas and fields of science and art technical sciences		ECTS distribution (number and %) 5 100%
Responsible for subject / lecturer: dr inż. Tomasz Bilski email: tomasz.bilski@put.poznan.pl tel. 061 66 53 554 Faculty of Electrical Engineering ul. Piotrowo 3A 60-965 Poznań		
Prerequisites in terms of knowledge, skills and social competencies:		
1	Knowledge	Student has knowledge from bachelor's degree. K_W02: Student has comprehensive knowledge on selected legal issues. K_W10: Student has comprehensive knowledge of data security.
2	Skills	K_U01: Student is able to acquire information from literature, data bases and other sources; student is able to integrate acquired information, to interpret it, to draw conclusions and to comprehensively formulate and justify judgments. K_U11: Student is able to evaluate the usefulness of IT tools and technologies for a given IT task.
3	Social competencies	Student has social competencies from bachelor's degree.
Assumptions and objectives of the course: Obtaining skills for data security policy creation according to legal rules and standard documents.		
Study outcomes and reference to the educational results for a field of study		
Knowledge:		
1. Student has comprehensive knowledge on selected legal issues. - [K_W02] 2. Student has comprehensive knowledge with theoretical foundations of IT system modelling and analysis. - [K_W05] 3. Student has comprehensive knowledge of data security. - [K_W10]		
Skills:		
1. Student is able to acquire information from literature, data bases and other sources; student is able to integrate acquired information, to interpret it, to draw conclusions and to comprehensively formulate and justify judgments. - [K_U01] 2. Student is able to model and to analyse IT systems. - [K_U05] 3. Student is able to evaluate the usefulness of IT tools and technologies for a given IT task. - [K_U11]		
Social competencies:		
1. Student is able to think and work in a creative and inventive way. - [K_K01] 2. Student understands the necessity of distributing information on computer science advancements and other issues related to computer engineer work. Student tries to distribute the information in a clear way and to present the facts from different points of view. - [K_K02]		

Assessment methods of study outcomes		
Lecture: test. Project: security policy project assessment.		
Course description		
Lecture. Models, processes, phases of IT security management. Data security policy structure. General rules for data security policy construction. Risk management in IT systems: risk assessment (qualitative and quantitative methods), risk mitigation methods. Disaster recovery plans and business continuity. Legal issues related to data security policy. Standards: ISO 13335, ISO 2700x. Laboratory Data searching, risk analysis, disaster recovery plans, security policy writing rules, cost analysis - discussions and presentations related to data security policies prepared by students for particular computer systems.		
Basic bibliography: 1. ISO 13335 standard 2. ISO 27xxx standards		
Additional bibliography:		
Result of average student's workload		
Activity	Time (working hours)	
1. Lectures	30	
2. Laboratory	30	
3. Preparation for test.	30	
4. Data security policy documents preparation	45	
5. Test	2	
6. Consultations	13	
Student's workload		
Source of workload	hours	ECTS
Total workload	125	5
Contact hours	75	3
Practical activities	75	3