STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Data security policy		**1010332521010337164**

Field of study	Profile of study (general academic, practical)	Year /Semester
Information Engineering	**(brak)**	**1 / 2**
Elective path/specialty	**Subject offered in:**	**Course (compulsory, elective)**
-	**Polish**	**elective**

Cycle of study:	Form of study (full-time,part-time)
Second-cycle studies	**full-time**

No. of hours					No. of credits
Lecture: **30**	Classes: **-**	Laboratory: **15**	Project/seminars: **-**		**4**

Status of the course in the study program (Basic, major, other)	(university-wide, from another field)
(brak)	**(brak)**

Education areas and fields of science and art	ECTS distribution (number and %)
technical sciences	**4 100%**

Responsible for subject / lecturer:

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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.

Course update 2017: General Data Protection Regulation

Teaching methods:

- lecture with multimedia presentations,
- additional topics available in Moogle course.

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
3. EU General Data Protection Regulation

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	4
Contact hours	75	3
Practical activities	75	3