STUDY MODULE DESCRIPTION FORM

Name of the module/subject		Code
Information security		**1011104241011163095**
Field of study	Profile of study (general academic, practical)	Year /Semester
Safety Engineering - Part-time studies - First-	**(brak)**	**2 / 4**
Elective path/specialty	Subject offered in:	Course (compulsory, elective)
-	**Polish**	**obligatory**
Cycle of study:	Form of study (full-time,part-time)	
First-cycle studies	**part-time**	

No. of hours					No. of credits
Lecture: **12**	Classes: **-**	Laboratory: **12**	Project/seminars: **8**		**3**

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	**2 70%**
Technical sciences	**2 70%**
social sciences	**1 30%**
Social sciences	**1 30%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Has knowledge of information, information technology, computer science, in management.
2	**Skills**	Able to use the Internet systematically, can obtain information, also in foreign languages studied by her/him at the university.
3	**Social competencies**	Establishes contacts in the World Information Society.

Assumptions and objectives of the course:

The course aims at development of students' understanding of basic knowledge of information security and the ability to choose means to save and secure information.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Has knowledge of threats to the circulation of information in all its forms of manifestation and how to minimize these risks without falling into information inactivity. - [K1A_W16]
2. Has knowledge of typical engineering information security technologies. - [K1A_W18]
3. Knows techniques for defending the circulation of information. - [K1A_W25]
4. Know and understand the basic concepts and principles in the field of copyright protection, information security and intellectual property protection in a market economy - [K1A_W34]

Skills:

1. Able to acquire, integrate, and interpret information from literature, databases and other carefully selected sources. - [K1A_U01]
2. Can do it also in English or another foreign language considered as language of international communication in the area of information flow. - [K1A_U02]
3. Can use the technical equipment protecting information. - [K1A_U05]
4. Can create a well-documented study of problems in the field of information flow in Polish and English. - [K1A_U07]

Social competencies:

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1. As proved in the classroom, can win the national audience over to information security standards and, in some cases, already the international audience as well. - [K1A_K01]
2. Has awareness of responsibility for his/her own work and willingness to comply with the principles of teamwork, and shares responsibility for the tasks performed. - [K1A_K02]

Assessment methods of study outcomes

Laboratory: evaluation of activity during classes

Project: evaluation of the project

Lecture: theoretical test

Course description

Terminology and classification of secrets. Legal basis in information preservation, secrets legally preserved. Essential modules in Information Security Management. Information Security Politics. Generating, processing and storage of documents in information and communication systems. Principles of availability to information - threatens and shortcomings. Security devices and requirements in information preservation. Administrative, technical and physical data security.

Basic bibliography:

1. PN-ISO/IEC 27002 Technika informatyczna. Techniki bezpieczeństwa. Praktyczne zasady zarządzania bezpieczeństwem informacji. Copyright by PKN, Warszawa 2014
2. PN-ISO/IEC 27001 Technika informatyczna. Techniki bezpieczeństwa. Systemy zarządzania bezpieczeństwem informacji. Wymagania. Copyright by PKN, Warszawa 2014

Additional bibliography:

1. Stokłosa J. i innni, Ochrona danych i zabezpieczenia w systemach teleinformatycznych, Wydawnictwo Politechniki Poznańskiej 2003
2. Anderson R., Inżynieria zabezpieczeń, Wydawnictwo Naukowo - Techniczne 2005

Result of average student's workload

Activity	Time (working hours)
1. Participation in lectures	12
2. Participation in laboratory classes	12
3. Participation in projects	8
4. Preparation to the project	30
5. Consultation	8
6. Preparation to the test	15

Student's workload

Source of workload	hours	ECTS
Total workload	85	3
Contact hours	40	2
Practical activities	50	2

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