STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Information security**	Code **1011101241011133095**

Field of study **Safety Engineering - Full-time studies - First-**	Profile of study (general academic, practical) **(brak)**	Year /Semester **2 / 4**

Elective path/specialty **-**	Subject offered in: **Polish**	Course (compulsory, elective) **obligatory**

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

No. of hours

Lecture: **15**	Classes: **-**	Laboratory: **-**	Project/seminars: **15**	No. of credits **3**

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	ECTS distribution (number and %**)**

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, in management especially, and of library and information services.
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. - [-]

2. Has knowledge of typical engineering information security technologies. - [-]

3. Knows techniques for defending the circulation of information. - [-]

Skills:

1. Able to acquire, integrate, and interpret information from literature, databases and other carefully selected sources. - [-]

2. Can do it also in English or another foreign language considered as language of international communication in the area of information flow. - [-]

3. Can use the technical equipment protecting information. - [-]

4. Can create a well-documented study of problems in the field of information flow in Polish and English. - [-]

Social competencies:

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. - [-]

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. - [-]

3. Managing the security of information systems thinks and works in an entrepreneurial manner. - [-]

Assessment methods of study outcomes
Web activity at semester work, at http://fedcba.ning.com/group/bi and on Web pages devoted to the discussion of security issues of information systems, Web pages selected by each project group.
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. Writings on the subject quoted during discussions held on Web pages INFORMATION SECURITY (http://fedcba.ning.com/xn/detail/2516803:Comment:114829).

Result of average student's workload	
Activity	**Time (working hours)**
1. Participation in projects	15
2. Internet self-activity	35

Student's workload		
Source of workload	**hours**	**ECTS**
Total workload	105	4
Contact hours	53	2
Practical activities	52	2