



Faculty: FACULTY OF TELECOMMUNICATIONS AND MANAGEMENT

Department: INFORMATION TECHNOLOGIES

Professional Field: 5.3. COMMUNICATION AND COMPUTER ENGINEERING

Specialty: CYBER SECURITY IN BUSINESS

Educational-scientific degree: BACHELOR

LEARNING COURSE DESCRIPTION

1. Course title: FUNDAMENTALS OF SECURITY AND INFORMATION SECURITY STANDARDS

2. Course code: B.47.002.1

3. Type of the course: compulsory

4. Level: Bachelor

5. Number of credits: 6

6. Name of the lecturer: Assoc. Prof. Dragomir Krastev DSc.

7. Course learning outcomes:

The tasks of this discipline are: to reveal to the learners the essence of the concepts of security, information security standards and their characteristics. To enrich students' knowledge of vulnerabilities, assessment, analysis and risk management in modern information systems and networks. Emphasis is placed on information security management standards and classes of security measures.

Basic knowledge about the essence and characteristics of the concept of security; prevention of computer abuse and fraud; the basic legislation in the field of information security standards.

Practical skills for information security management and information protection in the organization; adequate response to changes, conflicts and crises in the information space; application in various structures of international standards for information security.

Competences: Developing skills for: conceptual thinking in the field of ensuring information security and information protection; making strategic decisions in this area. Acquisition of competence in the field of information security and information protection, including the acquired knowledge, the formed skills, the developed abilities, the personal positions, relations and values, ensuring effective behavior and action.

8. Teaching methods:

The teaching method is in lecture and discussion form, according to the specifics of the subject matter. Using multimedia.

9. Prerequisites:

Basic knowledge acquired in secondary education and from the personal experience of each student in the field of information technology, as well as from the technical disciplines taught in the first semester.

Courses using the discipline - Cyber threats and cyber crises, E-management in crises.

10. Course contents:

The course deals with topics related: theoretical and legal aspects related to the concept of "security". Legal and managerial aspects related to the application of the relevant international standards related to information security.

11. Bibliography

Basic literature:

1. Иванов, Хр. Основи на сигурността, С. 2018.
2. Кръстев, Д. Наказателна политика на Европейския съюз, С. 2019.

Additional literature:

1. Денчев, Ст. Информация и сигурност, С. 2019
2. Семерджиев Цв., Управление на информационната сигурност, С., 2007
3. Попов, С, Г. Ганев, Ю. Попов, А. Стамболова, П. Кабакчиева, В. Гарнизов. Национална сигурност на България: Рискове до 2020-2025 г., С. 2013.

12. Assessment methods and criteria:

The exam takes the form of a test on the theoretical material, taking into account the activity of doctoral students during the training process.

1.Requirements for the assessment of the six-point system

Assessment weight: Assessment in the learning process - developed tasks or case studies during the course - carries 50% weight in the final assessment.

2. Formation of the final mark

The evaluation of the results is done according to pre-set criteria (up to 50% completed tasks - Poor 2; up to 70% - Medium 3; up to 80% - Good 4; up to 90% - Very good 5 and over 91% - Excellent 6.).

13. Language of instruction: *Bulgarian, English*