

Title Data security	Code 1010334451010330571
Field Computer Science	Year / Semester 3 / 5
Specialty -	Course core
Hours Lectures: 1 Classes: - Laboratory: 8 Projects / seminars: -	Number of credits 4
	Language polish

Lecturer:

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Status of the course in the study program:

Data security. Obligatory course at the Faculty of Electrical Engineering, field of study Computer Science.

Assumptions and objectives of the course:

Presentation of practical problems dealing with data security.

Contents of the course (course description):

Threats to data security, antivirus protection, UPSs, RAIDs, firewalls, IDS, IPS, event logs, steganography, cryptographic techniques of data security (block ciphers, stream and polynomial ciphers, hash functions, PKI) networks security (authentication, SSH, SSL, HTTPS, IPsec).

Introductory courses and the required pre-knowledge:

Mathematics and computational complexity.

Courses form and teaching methods:

Lecture, laboratory.

Form and terms of complete the course - requirements and assessment methods:

Written or/and oral examination based on lecture, laboratory participation.

Basic Bibliography:

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Additional Bibliography:

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