Title				Code
Peripherals and data storage				**1010334491010330596**
Field				Year / Semester
Computer Science				**5 / 9**
Specialty				Course
Security of IT systems				**core**
Hours				Number of credits
Lectures: **8** Classes: **-** Laboratory: **-** Projects / seminars: **8**				**4**
				Language
				polish

Lecturer:

Tomasz Bilski Ph.d.
Institute of Control and Information Engineering

Faculty:

Faculty of Electrical Engineering
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Status of the course in the study program:

core

Assumptions and objectives of the course:

The main goal of the course is to provide knowledge on models, structure and operation of peripheral devices with special impact on data storage media and systems. Additionally students have to obtain skills in network storage system design.

Contents of the course (course description):

Lecture

Peripheral devices modes of access. Storage systems models (DAS, NAS, SAN, HSM). Interfaces and communication buses (ATA, SCSI, FC, Infiniband). Network systems for data storage (iSCSI, FCIP, IFCP). Storage system security.

Project

Network storage system design with communication protocols, network devices, media and storage systems.

Introductory courses and the required pre-knowledge:

Computer networks, operating systems, data security

Courses form and teaching methods:

Lecture with multimedia presentation
Project

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

Lecture: test
Project: project and documentation evaluation

Basic Bibliography:

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Additional Bibliography:

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