

Title (Eksploatacja sieci komputerowych)	Code 1010334481010330585
Field Computer Science	Year / Semester 4 / 8
Specjalty -	Course core
Hours Lectures: 8 Classes: - Laboratory: 8 Projects / seminars: -	Number of credits 5
	Language polish

Lecturer:

dr inż. Tomasz Bilski
Instytut Automatyki i Inżynierii Informatycznej

Faculty:

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

obligatory

Assumptions and objectives of the course:

Main objective of the course is to provide knowledge on tools and methods for computer network management, configuration and analysis.

Contents of the course (course description):

Lecture

Protocols and tools for network configuration and management. Host configuration with DHCP. Network hardware monitoring and management: management database MIB, SNMP commands. Clock synchronization in computer networks: time sources for computer networks, synchronization network infrastructure, NTP. Domain name system: domain name space, name servers hierarchy, resource records, DNS protocol.

Laboratory

Network hardware configuration and management with a use of DHCP, SNMP, NTP and DNS protocols.

Introductory courses and the required pre-knowledge:

Computer networks

Courses form and teaching methods:

Lecture with multimedia presentation
Laboratory

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

Lecture: written exam
Laboratory: experiments and reports evaluation

Basic Bibliography:

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Additional Bibliography:

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