

Title Network services	Code 1018171810108010188
Field Electronics and Telecommunications	Year / Semester 4 / 8
Specialty Teleinformatics	Course core
Hours Lectures: 2 Classes: - Laboratory: 1 Projects / seminars: 1	Number of credits 0
	Language polish

Lecturer:

dr inż. Piotr Zwierzykowski
Wydział Elektroniki i Telekomunikacji
ul. Piotrowo 3A
60-965 Poznań
tel. 061 665 3903, fax. 061 665 3922
e-mail: piotr.zwierzykowski@et.put.poznan.pl

Faculty:

Faculty of Electronics and Telecommunications
ul. Piotrowo 3A
60-965 Poznań
tel. (061) 665-2293, fax. (061) 665-2572
e-mail: office_det@put.poznan.pl

Status of the course in the study program:

Obligatory course for students of Electronics and Telecommunications.

Assumptions and objectives of the course:

The courses are aimed at acquiring the knowledge with the current status of and development directions of services offered to the users of circuit-switched and packet-switched networks.

Contents of the course (course description):

Within the lecture part, the following issues will be presented:
the division of telecommunications services, services in PSTN, ISDN and IN networks,
services in the internet, VoIP services and traffic determinations in services offered in PSTN/ISDN network.

Classes in labs allow students to get acquainted with the software allowing users stream-based multimedia content transmission over the network. During their classes students are introduced to both commercial streaming systems (Quicktime, Windows Media or RealOne), and non-commercial ones (Shoutcast).

Lab classes include system configuration, starting an application of streaming transmission and an introduction to signal information exchange accompanying the above data exchange technique.

All projects are undertaken by students in small teams. Suggested project subjects are related to designing ICT installations, access control, monitoring and economic analyses of the choices of the most favourable methods for data and voice transmission for companies with diverse workloads.

Introductory courses and the required pre-knowledge:

Basic knowledge of computer networks.

Courses form and teaching methods:

Lectures supported by multimedia presentations.

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

Individual projects, written exam.

Basic Bibliography:

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Additional Bibliography:

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