

Title Introduction to Telecommunications	Code 1010311311010320896
Field Power Engineering	Year / Semester 1 / 1
Specialty -	Course core
Hours Lectures: 2 Classes: - Laboratory: 1 Projects / seminars: -	Number of credits 4
	Language polish

Lecturer:

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Faculty:

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Status of the course in the study program:

Obligatory subject, Faculty of Electrical Engineering, Field: Power Engineering, Full Time studies

Assumptions and objectives of the course:

Knowledge of theoretical and practical subjects related to the ideas, techniques and principles of operation of telecommunications systems.

Contents of the course (course description):

Social importance of telecommunications, types of telecommunications systems, analog and digital signals, spectral representation of signals, analog modulation techniques, pulse modulation and pulse - code modulation PCM, methods of spread spectrum, types and properties of line codes, electrical and optical transmission media, connection and connectionless modes, multiplexing methods: TDM, FDM, WDM, large telecommunication systems, an introduction to waves and antennas.

Introductory courses and the required pre-knowledge:

Basic knowledge of informatics and mathematics.

Courses form and teaching methods:

Lectures, supported by slides, laboratory exercises.

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

Written credits, credits for laboratory exercises.

Basic Bibliography:

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Additional Bibliography:

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