Title **(Wprowadzenie do teorii obwodów elektrycznych)**	Code **1010334431010320557**
Field **Computer Science**	Year / Semester **2 / 3**
Specialty **-**	Course **core**
Hours Lectures: **-** 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: Computer Science, Extramural undergraduate studies.

Assumptions and objectives of the course:

Practical verification of laws of electrical circuit, observation of important electrical effects.

Contents of the course (course description):

The resonances on the electrical circuits, AC analysis two-terminal-pair network, magnetic circuits, circuits with nonlinear elements, smoothing of the current ripples, measure of the capacitance and dielectric loss on the capacitor, RLC elements on the sinusoidal alternating current circuits.

Introductory courses and the required pre-knowledge:

The basic knowledge of electrical circuits; methods of analysis the electrical circuits.

Courses form and teaching methods:

Laboratory

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

The pass the laboratory: positive mark of the report of exercise

Basic Bibliography:

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Additional Bibliography:

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