Title	Code
Computer Assist Experiment (Komp. wspom. eksp.)	**1010402211010430664**
Field: **TECHNICAL PHYSICS**	Year / Semester: **1 / 1**
Specialty: **-**	Course: **core**
Hours: Lectures: **2** Classes: **-** Laboratory: **2** Projects / seminars: **-**	Number of credits: **3**
	Language: **polish**

Lecturer:

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Status of the course in the study program:

Core course of the study for Technical Physics, Faculty of Technical Physics.

Assumptions and objectives of the course:

Acquaintance of the students with possibilities of computer hardware and software in context of experimental and measurement work.

Contents of the course (course description):

The program of the course contains following topics:

Analog-digital and digital-analog conversion of measurement signals. Digital communication interfaces. Computer measurement systems and generation and acquisition modules. Vision systems. Laboratory equipment controlled by computer. Signal conditioning. Programming in graphical language LabVIEW.

Introductory courses and the required pre-knowledge:

Basic knowledge of informatics and electronics.

Courses form and teaching methods:

Lecture, laboratory exercises.

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

Exam, credit of the course.

Basic Bibliography:

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Additional Bibliography:

-

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