Poznan University of Technology
Faculty of Electrical Engineering

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Title **Mathematics I**	Code **1010331111010340265**
Field **Automatics and Robotics**	Year / Semester **1 / 1**
Specialty **-**	Course **core**
Hours Lectures: **4** Classes: **2** Laboratory: **-** Projects / seminars: **-**	Number of credits **7**
	Language **polish**

Lecturer:

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Faculty:

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Status of the course in the study program:

Basic course.

Assumptions and objectives of the course:

The main aim of the course is appropriation and consolidation of basic knowledge from mathematical analysis and its application to technical problems.

Contents of the course (course description):

Differential and integral calculus of functions of one variable. Infinite series, power and Fourier series. Differential calculus of functions of several variables. Multiple integrals. Vector analysis (line and surface integrals).

Introductory courses and the required pre-knowledge:

Basic knowledge of mathematics in the field of high school.

Courses form and teaching methods:

Lectures, seminars.

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

Written classes, written tests, examination.

Basic Bibliography:

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Additional Bibliography:

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