

Title Mathematics	Code 1010101111010340009
Field Civil Engineering First-cycle Studies	Year / Semester 1 / 1
Specialty -	Course core
Hours Lectures: 2 Classes: 2 Laboratory: - Projects / seminars: -	Number of credits 4
	Language polish

Lecturer:

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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 algebra, mathematical analysis, analytic geometry, vector and matrix calculus, and its applications to technical problems.

Contents of the course (course description):

Complex numbers. Matrices and determinants. Systems of linear equations. Differential and integral calculus of functions of one variable. Analytic geometry. Differential calculus of functions of several variables.

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:

Additional Bibliography: