

Title Mathematics	Code 1010101211010340318
Field Environmental Engineering First-cycle Studies	Year / Semester 1 / 1
Specialty -	Course core
Hours Lectures: 4 Classes: 2 Laboratory: - Projects / seminars: -	Number of credits 7
	Language polish

Lecturer:

Prof. PP dr hab. J. Morchało

Faculty:

Faculty of Civil and Environmental Engineering
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Status of the course in the study program:

An obligatory course in programs for the direction WBL.

Assumptions and objectives of the course:

To give the students an essential knowledge of the mathematical analysis, analytic geometry, linear algebra.

Contents of the course (course description):

Elementary mathematical logic. Elementary linear algebra. Analytic geometry. Differential calculus, functions of one variable, indefinite integrals, definite integrals, functions of several variables, complex number. Number sequences and series.

Introductory courses and the required pre-knowledge:

Fundamental knowledge in the mathematics.

Courses form and teaching methods:

Lectures and exercise.

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

Examination (both oral and written) tests.

Basic Bibliography:

1. M. Gewert, Z. Skoczylas Analiza I, Analiza II, Algebra liniowa, Równania różniczkowe GiS Wrocław 2006
2. D. Borowski, Z. Ratajczak Przekształcenia Laplacea i jego zastosowanie PP Poznań 1999

Additional Bibliography: