

Title Mathematics	Code 1010101221010340328
Field Environmental Engineering First-cycle Studies	Year / Semester 1 / 2
Specialty -	Course core
Hours Lectures: 2 Classes: 2 Laboratory: - Projects / seminars: -	Number of credits 4
	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:

Obligatory course.

Assumptions and objectives of the course:

To give the students an essential knowledge of the functional series, differential equations, multiple integrals. Linear transformations, matrix of linear transformation. Eigenvalues and eigenvectors.

Contents of the course (course description):

Functional series, multiple integrals, differential equations, partial differential equations, integral transformation.

Introductory courses and the required pre-knowledge:

The knowledge of the mathematical analysis of one end two variable.

Courses form and teaching methods:

Lectures and exercises.

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

Examination (both oral and written).

Basic Bibliography:

1. M. Gewert, Z. Skoczylas Analiza matematyczna II, równania różniczkowe zwyczajne, elementy analizy wektorowej GiS Wrocław 2006
2. D. Bobrowski, Z. Ratajczak Przekształcenia Laplace'a PP Poznań 1999

Additional Bibliography: